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DUBUQUE, IOWA

IOWA BOOKS









# COMPLETE YEAR BOOK

1906

—OF—

Wisconsin, Illinois and Iowa

## LEAD AND ZINC MINES

Alphabetically Arranged with Topographical Map of the Lead and Zinc District

(ILLUSTRATED)

W

Compiled and Edited by  
J. P. & CONLEY  
Publishers  
IOWA

THE TELEGRAPH-HERALD PRINT



DUBUQUE, IOWA

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## INTRODUCTORY



In offering this, the first issue of our Lead and Zinc Year Book, we feel under obligations to many of the leading miners and newspaper publishers in the great district comprising Grant, Iowa, and La Fayette counties in Wisconsin; Jo Daviess county, Illinois, and Dubuque county, Iowa, and to each of those who have materially assisted in compiling our work, we take this method of thanking them. We realize that some errors may have crept into the work, but in a general way it is an authentic and brief description of the mines and prospects actively engaged in mining up to March 25th, 1906.

The book will be republished next year and it is to be hoped will show a wonderful increase in operations throughout the district.

SKEMP & CONLEY, Publishers.



DUBUQUE'S GRAVE

## Dubuque

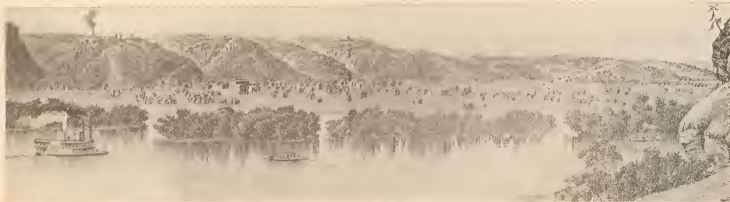


The oldest and richest city in the lead and zinc mining region is Dubuque, the second largest city in Iowa and one of the leading manufacturing cities west of the Mississippi river. Identified with the lead mining industry since 1788, when the first mining was done within the territory of what is now the State of Iowa, Dubuque has marched forward with a substantial, progressive step and to-day is noted by every visitor as the handsomest and most substantial city in the West.

Millions upon millions of lead ore have been taken from the mines within the city limits; many of the rich inheritances which have marked the fame of Dubuque as a city owned and controlled by its own capital, came from the lead mines. The older mining families acquired a competency and with the commercial growth of the city the younger element did not take kindly to the labor devolved in the primitive methods pursued in mining by their parents, and as a result the mines were comparatively neglected. With the dawn of new methods in mining and the excitement now under way, the Dubuque mines will soon be going at full blast.

That Dubuque is rich in lead and zinc ore has already been proven. In fact within the past two months hundreds of expert mining men from all points of the country have examined the mines in Dubuque County and all of them speak in positive tones of the plentiful supply of ore yet unmined.

In area Dubuque County includes 6,010 square miles and is divided into eighteen civil townships. The periods of discoveries of lead run from 1750 to 1838; second a period of early geological work from 1839 to about 1860; third a period of later geological work from 1870 to 1880; and fourth a period of recent investigation from 1890 to date. These reports are fully given in the Geology of Dubuque County by Professor Samuel Calvin State Geologist and H. F. Bain and published in 1899.



DUBUQUE AS A LEAD MINE VILLAGE IN 1853



BIRDS EYE VIEW OF DUBUQUE TODAY

## The Geology of the Ore Bearing District of Dubuque and Vicinity

By PROF. JNO. A. ANDERSON, Dubuque High School.



In this ore-bearing district five distinct geological formations are to be noted, viz: Niagara limestone, Maquoketa shales, Galena limestone, and Saint Peter's sandstone. The principal exposed rock of the region is the Galena limestone so called from the fact that in it is found large quantities of lead ore or Galena. Overlying the Galena are the Maquoketa shales which have been nearly all removed by erosion, and above the shales was the Niagara formation, a massive limestone several hundred feet thick. Sinsinawa, Scales, and Sherrill Mounds are remains of the Niagara and in the western part of the county it is the principal rock. Where streams have cut deep valleys through the Galena, the blue Trenton is seen below. In a few places north of Dubuque the St. Peter's sandstone is exposed several feet above the Mississippi river. The sandstone underlies this whole region immediately below the Trenton.

It is in the Galena and Trenton that the lead and zinc ores are found. They occur as float mineral, vertical sheets, cave deposits, disseminated bodies, horizontal sheets or flats, and pitches. The rock originally contained lead, iron, and zinc compounds widely distributed which have been carried by percolating waters to the crevices, there coming in contact with surface waters containing organic matter, when a chemical change took place and the minerals were deposited as we now find them. These underground waters have played an important part in the distribution and deposition of the mineral. The deposits at the junction of crevices are explained by these differently charged waters coming together at these places and making deposits.

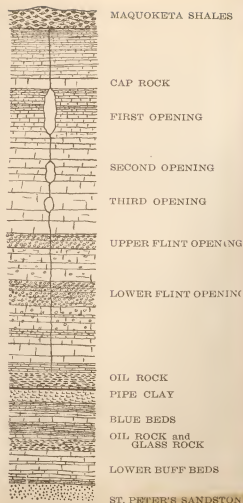
Black jack, which is a zinc sulphide, is often found with the lead but in larger quantities below it. Dry bone, which is a zinc carbonate, is found in large deposits filling crevices in the same formation that the lead is found. The dry bone is above the water level while the black jack is usually in the water. Iron is found in small quantities throughout the district and when it is deposited with the zinc it is an iron bisulphide known to mineralogists as pyrites and called "sulphur" by the miners. During the process of concentration of the ores the black jack and pyrites come out together and can only be separated by the expensive process of roasting and subsequent removal of the iron by magnets. The black jack found in the crevices above is quite free from iron (sulphur) and some of the bodies of disseminated jack contain but little iron.

The Galena is a massive dolomitic limestone about 255 feet in thickness, much broken by vertical crevices. In the upper part of the formation these crevices have been enlarged by underground water forming the characteristic ranges of each and west crevices which are connected by north-souths, quarterings, ten o'clocks, four o'clocks, etc., which are names given to designate the directions of the connections.

A few feet of the Maquoketa shales, or disintegrated Galena limestone is encountered at the surface. About 45 feet below the normal base of the Maquoketa and 210 feet above the Trenton is found a hard massive layer usually four feet thick, the "cap rock" of the miners. Below the cap rock for several feet the beds are softer and the walls of the crevices have been disintegrated to form caverns of varying dimensions and known as the first opening. This opening has been the largest producer of lead. About 40 feet below the first opening is found a second opening and below this about 25 feet is a third opening. These two openings are in the typical massive crystalline Galena. Lead, dry bone and black jack have been taken from these openings but as they are below the water level in nearly all sections, they have been abandoned on account of inadequate machinery.

Between 100 and 110 feet above the Trenton, beds containing large quantities of chert and pockets of calcite (tuff) mark a zone called the upper flint opening. This is about 20 feet below the third opening. A few shafts have been sunk into this region and disseminated jack was found following the crevice down. Up to the present time no explorations have been made below this zone in Dubuque county. Below this are beds of crystalline dolomite 20 feet thick containing little chert. Following this are thick massive beds with large amounts of chert which mark another zone called the lower flint opening. The top of these beds is about 80 feet above the Trenton and is the horizon below which the large bodies of disseminated jack and the flats are being found in Wisconsin. Towards the base of the Galena the rock contains less chert and the lowest layers are intermixed with shale which is somewhat bituminous and corresponds to the "oil rock" of the Wisconsin miners.

The Trenton limestone is about 65 feet thick. In the upper part is a bed of green shales (pipe clay) several feet in thickness which is often soft and plastic. This shale is easily recognized and lies immediately below the Galena. It marks the "pipe clay opening" the horizon which has developed the best bodies of ore in the Wisconsin mines. The Trenton has a characteristic bluish color, with layers of varying thickness and hardness. In about the middle of the formation is a brittle fine-grained bed called the "glass rock" which is said to produce some fine jack flats. Four to five feet of chocolate-colored bituminous shale also occurs in this bed. It burns freely when lighted but is of doubtful value as fuel. Below the Trenton is the St. Peter's sandstone which does not bear ore. The accompanying cut represents the positions of the formations above noted, as found in the Dubuque, Hazel Green and Galena districts.





## The Lead and Zinc Region of Southwestern Wisconsin

The following able article published by the Southwestern Wisconsin Miners' Association, is accepted as the correct version of the history of the lead and zinc regions, and also the mining operations at present in vogue.

After a period of nearly half a century Southwestern Wisconsin is awakening to a realization of greater wealth in mineral than was secured by the lead miners, who made it historic ground before the larger part of Wisconsin had been explored by white men. Unless practical men who have made the study and operation of zinc mines almost a life-work are making insane investments as well as estimates, the far-famed Joplin district of Missouri will become insignificant in comparison with Grant, Lafayette and Iowa counties in this state, Jo Daviess county, Illinois, and Dubuque county, Iowa, as soon as sufficient capital and modern methods are applied to the development of the region.

The Geology of Wisconsin, with Prof. T. C. Chamberlain as chief geologist, together with the results of practical experiments made in the meantime, served to decidedly change the consensus of opinion upon that very important subject, and mere enlightened men engaged in the industry. Not only was the presence of larger bodies of lead beneath the old workings indicated by this report, but the probability of deposits of zinc ore in quantities to make the mining of it profitable. To quote from Professor Chamberlain: "Where lodes have been mined in the upper measures of the Galena limestone, and work has been suspended by reason of water and other practical difficulties, there

is a strong presumption of valuable deposits below. In the middle and lower portions of the Galena limestone, where lead ore alone has been found at higher horizons we deem it altogether probable that mixed lead and zinc ores occur. The progress of min-



Pigeon Enterprise Mining Co.'s Drill, Lancaster, Wis.

ing seems to indicate that zinc ores are more widely and abundantly distributed in the lower beds than has been heretofore supposed. It may be quite unsafe to assume that beneath all the

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lead deposits there is a corresponding formation of zinc, and that every crevice that is lead-bearing in its upper reaches will develop zinc below, but such is the general tenor of evidence, and the general presumption is in favor of this as a rule. It would manifestly be of the greatest importance, if it were possible to determine any definite ratio between the amount of lead in the upper beds and that of zinc below. If the results of experience in a few of the most important mines of the whole region, from which the most of the reliable statistics have been obtained, are to be taken as a fair representation of the general fact, which may be doubted, we shall be justified in concluding that an amount of zinc equivalent to that of lead might not be far from the general rule. But I must say candidly that I deem such a deduction too uncertain to be trusted. But that greater richness in zinc in the lower beds, is being, and is likely to be developed, than has heretofore been indicated by some of my official predecessors, seems to me scarcely questionable.

"I am inclined to the judgment, therefore, that this region, in which the annual zinc product already far surpasses that of lead, and which should rather be called now the zinc district than the lead region, will continue to develop an increasing relative importance in the latter resource."

That the prediction contained in the last paragraph was warranted is established by the almost marvelous increase of zinc production in the district since the date.

Zinc value was first discovered in Wisconsin in the early '60s by two young students, who, after finishing their studies at Heidelberg, Germany, came to Mineral Point. They were chemists and became interested in the analysis of "dry bone" of Smithsonite, and the possible commercial value of the zinc contained in that ore. The two students were Mathiessen and Hege-

ler and from their discoveries at Mineral Point resulted the smelting works which is reckoned as a \$2,000,000 plant at the present time, and the industry which has largely built up the city of La Salle, Ill. The first zinc ores were in the State at Highland, Linden and Milfin in the form of waste from old lead mines. When the ores came on the market thousands of tons of both blend and the carbonates were lying in the old dump piles, tailings, road grades, etc. These were gathered up and sold at from \$4 to \$5 per ton, when prices went up and zinc mining then became general throughout the district and has continued down to the present time with constantly increasing proportions, until to-day Wisconsin ranks second only to Missouri and Kansas in zinc and lead productions. One significant feature of the mining business in Wisconsin is that the properties thus far, or until within the past year, have nearly, if not quite all, been developed and worked by individuals or under partnership agreement without the formality of incorporation. The methods employed in both mining and cleaning ores have been of the most primitive; hand jigs, old style Cornish lift pumps, horse power hoists, etc., having been almost universally employed, until the organization within the past year of a number of incorporated companies with sufficient capital to conduct operations upon the most improved plans.

The accompanying illustrations which are reproduced from T. C. Chamberlain's Geology of Wisconsin, 1882, will give a more satisfactory idea of the strata of the mineral-bearing land and the formation of the ore veins and crevices than any pencil description could present. The ideal formations are based upon the scientific investigation by the geologists, and have been confirmed as generally correct by the experience of the practical miners during a long period of years.

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## LOVELAND & DOSCHER

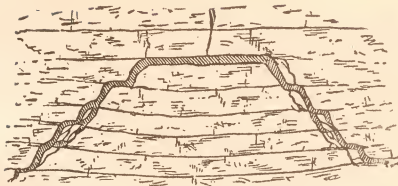
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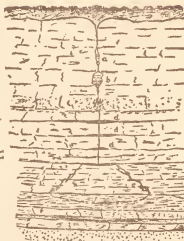
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Ideal section of "Flats and Pitches," somewhat distorted and simplified for the sake of clearness.

In general the occurrence of zinc, and, in fact, the lead, is radically different from the Missouri-Kansas formation. In Wisconsin the blende and Smithsonite occur in flats and pitches in well defined crevices and veins, which are known to extend for miles. The ores vary in thickness in these crevices from a couple of inches to two or three feet, and when removed are in solid pieces and slabs of greater or less size. Of the 25,000,000 pounds of zinc ores raised and sold from the Blende mines at Benton in the past nine years, 77% was removed in coarse pieces ready for market.

The mineral strata of the region dips downward from Highland and Mifflin in the north to Galena in the south, and the mines are, therefore, correspondingly deeper going south, according to their location.



SOIL AND RESIDUARY CLAY.  
UPPER GALENA.  
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LOWER GALENA.  
BLUE LIMESTONE.  
Trenton Group  
BUFF LIMESTONE.  
ST. PETER'S SANDSTONE.  
MAGNESIA LIMESTONE.

Ideal Section, showing characteristic forms of "Openings" and Ore Deposits in the different horizons. (a) Vertical Crevice Opening; (b) Cave Opening; (c) Tumbling Opening; (d) Flat Opening; (e) Flats and Pitches; (f) Flats.

When one stops to consider the thousands of uses to which zinc is being put to in the electrical and mechanical world, as well as in the gold mining, iron galvanizing, work preserving and manufacturing of rubber goods, sulphuric acid, paints, roofings, sheet zinc, nails, ornamental articles, etc., the importance commercially and intrinsic value of zinc properties cannot today be overestimated, and we invite the attention of the world to Southwestern Wisconsin, Northern Illinois, and Eastern Iowa.

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**In The Southwest Wisconsin Lead and Zinc Fields**

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## Platteville

Platteville, a city now exceeding 5,000 people and situated upon three of the most prominent table lands in this broad county is to-day the mecca of every one interested in modern mining.

In presenting a picture of Mayor James Murphy, President of the Enterprise Mine, we do so without that gentleman's knowledge, but with the full realization that to him belongs much of the praise for applying business methods, pluck and energy in the development of mining in the district. Within two years Platteville has increased in population over 1,000 people, and when the fact is known that for months past there has not been an idle house or a vacant store building in the city, a better idea of the growth may be obtained. With the coming of spring there is promised a building boom in Platteville never equalled in a city of like size in this western country. Already application has been made for over 150 building permits and the contractors are still busy figuring on prospective work which will double these figures. Less than five years ago there were but five mills established throughout the district; now there are over sixty and contracts let that will increase this number to one hundred. At the present time only an estimate can be given of the men employed in and around the mines. Careful estimate would place the number in and around Platteville at 1,000, while in Grant County entire the list approaches 2,500. The growth of Platteville is identical with that of the other splendid towns in the district. It has been a steady, healthy growth augmented by the success of the mines and the wonderful ore deposits prevailing.

Mayor James Murphy, in the very prime of his life, has the force of character so requisite to lead the work he has only commenced, and ably backed by vigorous men experienced in modern mining, the possibilities of Platteville and in fact the entire district are beyond all possible calculations.

So rapid has development work been done that within the space of five years which is the time the experiment of deep mining in this section has been attempted that there are now within the city limits of Platteville two mines that are paying on the average of \$15,000 in dividends each month. In one of these properties there is paid in dividends each month from one-third to one-half of the capital stock.



MAYOR MURPHY OF PLATTEVILLE

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# Lancaster

Upon one of the most beautiful knolls in all the Mississippi valley and in the center of the best agricultural region in the length and breadth of this country lies the thrifty and beautiful city of Lancaster. With a population exceeding 3,000 people its buildings, streets, cement walks and beautiful environments makes it an ideal spot for a home. Alive to the interests of the city is the Lancaster Commercial Club, an organization of the bright business men of the city, numbering over two hundred. Appropriate to the fine discoveries of lead and zinc in and around Lancaster the city is fully alive to the interests of the mines and the Commercial Club is ever alert to show their splendid advantages to all visitors. The Club is officered as follows:

Board of Directors—H. E. Carthew, Chairman; E. L. McCoy, Secretary; L. D. Eastman, R. Meyer, Jr., H. W. Brown, C. H. Basford, J. H. Reed.

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Lancaster is situated at the terminus of the Milwaukee-Madison division of the Chicago & Northwestern Railway, which furnishes good service to and from Madison, Milwaukee, Chicago, Galena, the north and west and all other points.

Lancaster is 165 miles west of Milwaukee, 200 miles northwest of Chicago, 83 miles west of Madison, the state capital. Three mail trains arrive daily from Chicago and all points, at 8 a. m., 12 m., and 5 p. m.

The city owns its own system of waterworks which always furnishes an abundant supply of pure water, drawn from the famous Klondike Spring which has stood the highest analytical test for absolutely pure water.

Lancaster has a well equipped fire department. No fire has spread beyond the building in which it originated since the water works were established and no building has been entirely destroyed by fire.

The city's schools are considered the very best, consisting of three modern buildings, the High School, Grade School and Primary School with a corps of efficient instructors. These educational institutions are finely located and surrounded by beautiful grounds.

Lancaster has eight well supported churches. The Congregational, Methodist-Episcopal, Episcopal, Baptist, German Lutheran, German Presbyterian, Catholic church and parochial school. All the street lights are large arc lights and the business places and residences are lighted with incandescent lights, furnished by a plant under private ownership.

Lancaster is the only city in Wisconsin except Madison which has a park and pleasure drive association organized and chartered under the laws of the state. This organization controls a large natural park within the city limits, conveniently located.

Lancaster has two newspapers, the Grant County Herald, the only semi-weekly in southwestern Wisconsin, established in 1843, and The Weekly Teller, both of which are unselfishly devoted to the advancement of Lancaster.

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The telephone system is complete. Local exchanges and a system of connections radiate over a large territory north and east in Wisconsin, all over Grant county, parts of Illinois and Iowa. The city lines are metallic cables connecting nearly 500 phones, furnished by the Independent Consolidated Telephone Co., the Farmers' Telephone Co., and the (Bell) Wisconsin Telephone Co.



View on Main Street, Lancaster, Wis., looking northeast from north door of Court House.



Grant County's new Court House, costing \$135,000.00, at Lancaster, Wis.

Lancaster contains one national and one state bank, with resources that are abundant for the handling of all the community's financial transactions.

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Business is done on a steady, conservative and prosperous basis, and failures are unknown. No labor troubles or strikes.

Lancaster and the country surrounding it is populated with intelligent, peaceful and law-abiding citizens. Terms of circuit court pass without a single criminal case, and also terms pass without the use of a jury. The Lancaster public library is well supplied with valuable reading. Reed's opera house is under the management of the Country Club, and furnishes standard dramatic attractions. The lecture course and Lancaster band and orchestra are among the many entertainments. Nearly all societies and auxiliaries are represented.



Main Street, Lancaster, Wis., Looking West from Corner of Madison and Maple Streets.

What Lancaster wants is men of means and enterprise to locate here. To invest money in mining, manufacturing and other commercial enterprises, and to build homes and reside here.

The Lancaster Commercial Club will advance the interests of any person, firm or corporation in Lancaster. Correspondence will receive prompt attention, and visits of inspection of the city and its resources are cordially invited.

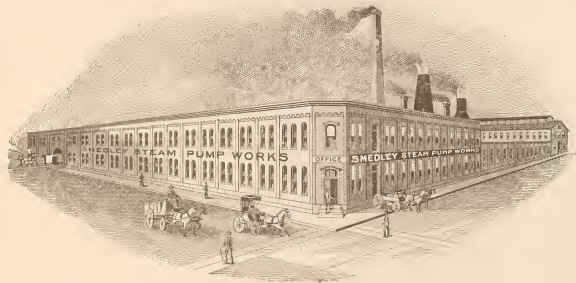
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DUBUQUE, IOWA



Interior View of Lancaster Mining Co's Mill.



Underground View in the Lancaster Mining Co's Mine.

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Pumping and Drilling



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BLOWERS, FORGES, DRILLS  
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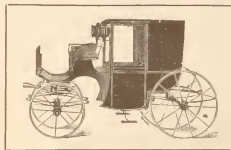


Harvey Mining Co.'s Drill at Work One-half Mile South of the City of Lancaster, Wis.

Carriage and Buggy Headquarters

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FACTORY: 7th and Iowa Sts. DUBUQUE



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ON ALL STYLES OF VEHICLES

Biggest and Best Line

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in Over 32,000 Homes

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WARRANTED FOR TEN YEARS

See it Before Buying, You Will be Pleased and Delighted With it

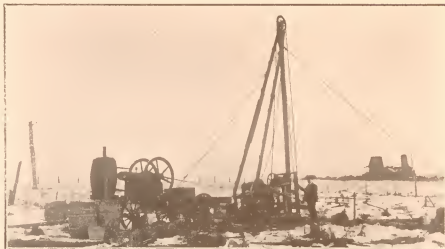
SEND FOR CATALOGUE AND WHOLESALE PRICE

—FOR SALE BY—

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DUBUQUE, IOWA



Klondike Mining Co.'s Drill at Work 8 Miles S. W. of Lancaster Showing  
Lancaster Mining Co.'s Mill in Background.

# *Sash, Doors, Blinds, Mouldings*

*AND EVERYTHING IN MILL WORK*



## *FARLEY & LOETSCHER MFG. CO.*

*DUBUQUE, IOWA*





Mill at the Apple River Mine, Apple River, Ill.

ASK FOR  
BELL BROS  
CO'S.

SHEEP-LINED  
COATS  
AND  
ULSTERS



MANUFACTURED BY BELL BROS CO. DUBUQUE, I.A.

# BELL BROS. COMPANY



...Manufacturers of...

## Pants, Overalls, Shirts

### SHEEP LINED CLOTHING

## Cuba City



The thriving little town of Cuba City claims the distinction of containing within its immediate environments as many of the larger mining plants as any point in the district. It is a bright business spot in the best end of the zinc range and contains a population of eleven hundred people. The mining boom has struck the town in earnest and the coming summer will mark the construction of several hundred houses and a corresponding increase in population. One of the good features of Cuba City is the fact that it is not compelled to rely upon the mines

alone for its thrift, but is in the richest section of the stock-raising district of southwestern Wisconsin. Cuba City is bound to become a prominent point in the new El Dorado.

Cuba City as seen in the accompanying picture is only an illustration of one of its busy days and the merchants and wide-awake citizens who make up its community know no such word as fail.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

# MELOY & BREWER

**ACCOUNTANTS****Real Estate, Insurance****MINING BROKERS**

Dealers in stocks of all the Lead and Zinc Mines in Southwestern Wisconsin. We live here, we know the ground and are familiar with the organization and management of the mines and will furnish any information desired regarding the various mines and drilling propositions which are constantly being placed on the market. Our aim is to help you get in on the ground floor, and now is the time to get your stocks. The speculators are arriving daily and those that get here first are in a position to make good investments and realize profits quickly. We handle the most desirable stocks and should you wish any of these, write us at once and our quotations to you will be the lowest possible prices at the time.

Correspondence solicited. Daily quotations on stocks of mines in this district upon application.

**Offices 2nd Floor Kivlahan Block****CUBA CITY, WIS.**

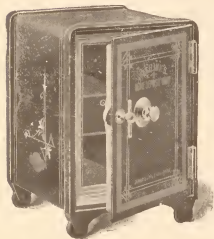


"Gritty Six Mine" near Cuba City, Wis.

# MINING MAPS

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Cash  
Registers



\$8.00 TO \$75.00



STOCK CERTIFICATES  
AND RECORD BOOKS

Office and Typewriter  
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# SAFES

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Filing Cabinets

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MAKES



\$1.25

## Galena

One of the oldest mining points in the Mississippi Valley District, and one of the most historical cities in the United States is the city of Galena. It was after the death of Julien Dubuque in 1810, that lead mining was carried on in and around Galena, but not until 1830 was it conducted upon an extensive scale. The older residents of Galena recall the days when the Galena levee was piled high with pig lead awaiting shipment by boat to St. Louis.

From 1830 down to the present time mining has been carried on continuously in the district.

Galena for years was the western terminus of the railroad and there are many of the living pioneers who remember the stage routes that led out of Galena to Dubuque and southwestern Wisconsin.

The head of navigation on the Mississippi for years was Galena, when the large packets from New Orleans and St. Louis made it their last northern stopping point. It was no uncommon sight in those days to see from five to twenty steam boats tied to the levee bank near the present Galena Custom House, all

heavily loaded with freight for transfer to northern frontier points.

The large warehouses and substantial store building on West Main street in those days were crowded with goods.

Galena will always share in the well-wishes of the nation for having furnished a greater number of gallant officers to the cause of the Union than any city in the country.

To the memory of General U. S. Grant, who went from Galena to the war and whose illustrious name is revered by his countrymen, Galena has erected a life-sized monument, in a beautiful park maintained by the city. General Grant's old home, filled with curios, is also kept open for the public and is annually visited by thousands of visitors.

Galena at the present time numbers about 8,000 people. The city has newly brick-paved Main Street, and many notable improvements are under way. The city in fact has renewed some of its old-time vigor and is the gateway leading to the mines of southwestern Wisconsin. More improvements will be made in 1906 than in any year in the city's history.

# OLD COURT HOUSE BUFFET Homrich Monument Works

E. G. FINK, Proprietor

## Miners' Exchange



GALENA - - - ILLINOIS

---

## E. G. FINK

---



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HOTEL GRANT

GALENA, ILLINOIS

LOUIS HOMRICH, Prop.

Granite and Marble

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GALENA, ILLINOIS





The Old Galena Market.  
From a Recent Photograph.



De Soto Hotel and Church Scene, Galena, Ill.

## De Soto House

GALENA, ILL.

Leading Hotel  
in the City :

RATES \$2.00  
PER DAY

Headquarters for the  
Lead and Zinc  
District

WELSH & MAY  
Proprietors



Familiar Scenes of Galena, Illinois.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

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OPPOSITE TOWN CLOCK

THE UP-TO-DATE STORE OF DUBUQUE

OUR MOTTO: Your Moneys Worth or Your Money Back

HEADQUARTERS FOR



Dry Goods, Carpets

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LADIES' AND MISSES' READY-TO-WEAR GARMENTS

SEND US YOUR MAIL ORDERS, THEY WILL RECEIVE PROMPT AND CAREFUL ATTENTION



50,000 Pounds of Lead at Shaft No. 3, Elizabeth Mining & Milling Co., Elizabeth, Ill

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Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

*Kaep & Buechele*

13<sup>TH</sup> & CLAY STS.

LEADING CLOTHIERS

DUBUQUE, IOWA



Enterprise Mill, Platteville, Wis.

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POTOSI, WISCONSIN



A. SCHUMACHER, President

C. J. RAGATZ  
Secretary and Treasurer



NICHOLAS SCHUMACHER  
General Manager



## Drink Schumacher's Select Bottled Beer

IT IS MADE FROM THE PUREST MATERIALS OBTAINABLE



# Potosi

The quiet, yet prosperous town of Potosi, on the western border of the Wisconsin lead mine district, is one of the oldest mining points in the entire range. To-day it is enjoying its full

Snake Hollow, now called Potosi, lived to see many million pounds of ore taken out in the Potosi district. Joe Wolly, with Messrs. James and Thomas Seaton, Wm. Hudson, the venerable



share of the prosperity so justly deserved by reason of its mineral resources. As early as 1830 the venerable pioneer Father C. Kaltenback conducted a store and engaged in mining. He with the grand band of sturdy pioneers who opened the mines at

Mr. Coons (still hale and hearty), Mr. Thos. Hymer, and many more who have passed into history and to-day the grassy mounds, embanked with the golden dust of ore-bearing ground, stand as monuments to those who were instrumental in giving Grant

This is the Main  
Factory Where

# Glover Overalls and Brighton Shirts

ARE  
MADE



BRANCH FACTORIES AT DYERSVILLE AND GUTTENBERG, IOWA

county its reputation as one of the greatest lead ore bearing districts of the United States. True enough they used the most primitive methods in extracting the ore, but what they lacked in

evidence many millions to be taken out when the new day machinery is placed in service.

A number of the later day young business men have now



modern machinery they made up in perseverance and pluck. The mines were always profitable in and around Potosi and while they have not been worked vigorously in later years there are still in

taken hold and it is only a question of a short space of time when the boom mine days of a generation ago will be heard of and in earnest.

DO YOU WANT TO BUY OR SELL

## LEASES - MINES - STOCKS

In the Illinois-Wisconsin Lead and Zinc Field?

Come to Us and We will endeavor to fill your wants—  
great or small. We know the district and  
can serve you intelligently

LET US ATTEND TO YOUR INCORPORATING AND 'START YOU RIGHT

**F. B. Davies & Co.**

86 WASHINGTON ST.

CHICAGO, ILL.

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## Grant County News

—R. I. DUGDALE, Proprietor—

PLATTEVILLE, WIS.

The Paper that Publishes  
**RELIABLE** Mining News

GET ONE OF OUR MINING MAPS SHOWING ALL MINES AND RANGES

## H. C. ADKINS

### Platteville's Popular Buffet



**THE NEW FIRST-CLASS  
LIQUOR STORE**

To Your Right, Just Around the Corner

The Best of Everything

TELEPHONES: B-B and Local Exchange

**SOUTHWESTERN WISCONSIN**

## Miners' Supply House

G. C. LONGENDYKE, Proprietor

—Dealer in—

## STEAM FITTINGS and MINERS' SUPPLIES

Red Cross and Forcite Dynamite

Orders Filled Same Day as Received

CUBA CITY, WIS.

# The Philipps & Dechow Mine

is located in Section 28, Township of Beetown, Wisconsin. This mine and 40 acres of land is owned and operated by the above named parties, on a very rich mining range called the old Grant Range. The above parties have taken out 40,000 pounds of good first-class lead ore at a depth of 65 feet. At this depth is a drift run in an east direction about 60 feet., west 40 feet. At 80 feet depth is a drift run in a west direction about 40 feet, carrying good paying dirt. Two men can make good wages on lead ore. The shaft is



Philipps and Dechow Mine, near Lancaster, Wis.

sunk on down 70 feet. At a depth of 130 feet black jack is coming in of good quality and quantity in a dissiminated form. But at this point the owners were run out by water, and not being financially able to put in such pumps and machinery as the mine would need to operate, the owners are contemplating selling out. Any parties wishing to purchase a good proposition will find it to their interest to call on above named parties or write them at Lancaster, Wisconsin, for any desired information.

**PHILIPPS & DECHOW, Lancaster, Wis.**



THIS BUILDING HOUSES

**“Sanitas”**  
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And Reserve Stock of

**GLOVER OVERALLS**

—AND—

**BRIGHTON SHIRTS**



Lancaster Star Mining Co.'s drill at work five miles southwest of Lancaster, Wis.

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LOOK AT OUR WINNERS:

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GRAND SESSION

Judge Taft  
Chas. Denby

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RESERVED SEAT

Mehlhop's Great 5  
Havana Flyer

5 CENT  
CIGARS



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VICTORIDAD Clear Havana

## H. H. Mehlhop

Importer of BONANZA TEA

DUBUQUE, IOWA



## Montfort

In reviewing the several thriving points in this great zinc region, there are none brighter in prospect or better in development than the locality in and around Montfort, in Grant County. No better description of Montfort is given than the following interesting note from an issue of the Montfort Mail:



Main Street Looking West, Montfort, Wis.

"The advance forward has been steady and to-day Montfort does not take second place to any town of its size in this part of the state. The old style houses have given place to brick blocks, and the old spring to an excellent system of water works. The business men are progressive and up-to-date and keep constantly in touch with the advance of the time. Many of them are the succeeding generation of the hardy, honest pioneers who first opened up and peopled the state, and as they exercise the true principles that are theirs by inheritance in their various walks in life, the future of the town is pointed to the pinnacle of success."

# BRADLEY BROTHERS

... MAKERS OF...



All Dealers Sell Them

DUBUQUE, IOWA



This new drill is the best equipped and most complete outfit in the territory. The engine and drill are both housed so that the work goes on rain or shine. This drill is on its second hole on the Miller farm, Montfort, Wis. The first hole was on a bar and only gave a small showing of jack.



This drill is now on the thirteenth hole on the Calkins farm, northwest of Montfort, and has encountered a good showing of jack in four and a small quantity of ore in other holes.

J. J. LYNN

132 W. LOCUST ST.  
DUBUQUE, - IOWA

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When You Want Good Things for the Table  
Come to Me. I Carry a Full Line of Staple and  
Fancy Groceries with Prices that are Right : :

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A. G. JAEGER CIGAR Co.

*Manufacturers of*

## Good Cigars

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DUBUQUE

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IOWA

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FRED WEIDLICH

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BANQUET BEER ON TAP

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HENRY BAVENDICK

Merchant Tailor

Fine Suits Made to Order

1672 CLAY ST., Bet. 16th and 17th Sts.

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100 Ton Rock Crusher at Chicago-Benton Zinc Co., Benton, Wis.

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— ALL KINDS OF —

**Mining Machinery**

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of All Kinds Kept in Stock

Steam Pumps, Shaftings, Hangers, Dodge Wood  
Split Pulleys, Brass Goods, Packing, Pipe and  
Fittings of All Kinds Kept in Stock : : :



## Iowa County, A Great Zinc Bearing Field

By J. H. LEWIS, Highland, Wis.



As correspondent for the Galena Tribune the writer is covering the entire district and takes especial delight in crawling through the underground workings of the zinc mines. He is confident that 1906 will be a cracker-jack year in mining circles.

The northern extremity of the famous lead and zinc region of Southwest Wisconsin includes, beginning with Highland and Centerville, the following mining camps in Iowa County: Linden, Dodgeville, Mineral Point, Milfin, Rewey; Livingston and Montfort in Grant county. The township of Eden, just south of Highland, is developing some good mines, in the extension of the Centerville ranges, just east of the noted Hornsnoggle and Section Four mines.

The early history of mining in this area is pregnant with romantic and interesting data, early pioneer recklessness, lawlessness and daring and the magnet of the miners' heart, mineral ore, was mined from surface and top openings in large and paying quantities. From the best authentic records at hand, of early settlements it is acknowledged that the Winnebago Indians had lead diggings in the vicinity of Dodgeville and Mineral Point as early and prior to 1825. Centerville was a mining camp of pretentious proportions in 1836, where the overland stage coach came and went twice a week and where the pioneer settlers of Highland and Montfort came to get their mail. In 1846 Highland experienced an influx of practical miners and old settlers, yet living, one Thomas Edwards, now 85 years of age and a resident of Highland recollects hundreds of people living in tents along Spring Branch south of the log cabin village, there being no houses to accommodate them all.

While it is true that mining for lead was carried on exclusively, the early history of Mineral Point gives conclusive evidence along in the 50's of copper mining on a large scale and a copper smelter was in operation for years, a little south of the present location of the celebrated Mineral Point Zinc Oxide Works and the Sulphuric Acid plant. It is more than probable that copper mining will be resumed at Mineral Point in the near future. In the early 70's the Mathiesen & Hegeler Smelting Co. came into the market for zinc ore and instantly the whole district developed into rich mineral bearing strata but operations on a large scale was not encouraged owing to the ridiculously low prices paid for ores, black jack that now commands \$50 per ton being sold for \$15. The methods employed were simple and crude and the cost of hauling to market dissipated such a healthful percentage of the gross output that mining became a discouraging vocation. There has been a marked advance in prices since 1901, which is responsible for the unprecedented era of development apparent throughout the district. Ore has advanced from a standard average price in 1901 of \$24.00 per ton to \$45.51 in 1905 and the indications for 1906 point to a strong demand for zinc ore at high prices.

The building of the Oxide Works at Mineral Point has been a mighty incentive to the mining of carbonate zinc ore more plainly designated as dry-bone.

According to the State Geological Survey there are two great mother ranges of ore bearing strata in Southwest Wisconsin. One has its origin at Ridgeway and traces itself

on down to Galena, Illinois. The other begins at Highland and leads to Mineral Point, the two effecting a crossing in the immediate vicinity of Linden. The future great production of ore from out the northern portion of the lead and zinc district must be looked for at the mines located in and near the mining towns mentioned in the first paragraph of this article. The writer does not believe



the time will ever come again when zinc will not hold an especial place in the list of the great metals. It now occupies seventh place and new uses are being discovered for it each day. And again it can be used but once, unlike other metals the scraps cannot be remolded into commercial spelter.

# The Industrial Mining, Mfg. & Developing Company

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AUTHORIZED CAPITAL, \$1,000,000

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R. N. TRENTZSCH,	- - - - -	Auditing Board

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R. N. TRENTZSCH,	

The company intends to take up all branches of the mining industry such as mining, manufacturing, prospecting and developing mines and also to buy, lease, sell, own and operate mines, in fact to do a general mining business.

The company will maintain a Mining Exchange in the city of Lancaster, Wis., where the public can obtain the latest information obtainable on the different mines and prospects throughout the district and will endeavor in all honorable ways to promote and assist the mining industries of the whole district.

The plan and position the Industrial Company has adopted and will pursue is conceded by all investors to be fair, just and equitable giving outside capital an opportunity or the benefits of locating the mines or in other words, of getting in on the ground floor.

Shares of non-assessable stock are sold at a nominal price to all investors, to do the drilling and locating of the ranges of ores.

Then as the ores are located and the mines are opened up and our properties increase in value, our stock naturally increases in value at the same time. Oftentimes these advances come by leaps and bounds; for instance a mine is very often located and opened up at a few hundred dollars expense that will sell on the market for prices ranging from \$25,000 to \$1,000,000 unworked.

These mines properly managed and operated pay to the stockholders enormous dividends, as in many cases in this great ore-bearing district the mines are now paying monthly dividends amounting to about 50 per cent of the original cost of the stock, or in other words, 600 per cent annually on the investment. Can you conceive of any other honorable business that will bring you such rich returns for the money you have to invest outside of your regular business. Now we wish to impress on the investor's mind, that, while we are incorporated for \$1,000,000, there is not a single share of promoters' stock, nor is there any treasury or preferred stock; the \$1,000,000 mark is the limit that we are allowed to issue and is all capital stock, and no stock can vote, nor can any stock draw a dividend that has not been bought and paid for.

A few reasons why it is safer and more profitable to invest your money with a large corporation with fixed purposes in view: First—They can handle a dozen or more mines at about the same office expense that one small company has to pay for the handling of one mine.

Second—They can secure better leases from land owners than the small companies because the land owners want their lands leased to some one who has the requisite amount of money necessary to properly develop and equip the mine and it is to their interest to lease to large companies and have their holdings properly handled.

Third—They can purchase supplies cheaper than the smaller company can.

Fourth—They can secure better transportation rates to and from the mines.

Fifth—They can obtain better prices for their products.

Sixth—Always remember that the stockholders of a corporation are the owners and that the officers are their employees.

A few reliable solicitors wanted. Send for prospectus and terms to W. E. Lathrop, Secretary, Lancaster, Wisconsin.

Any inquiries as to agricultural matters will be cheerfully answered by G. C. Marlow, Secretary of the Commercial Club and as to mining information write to W. E. Lathrop, Secretary of the Industrial Mining, Manufacturing & Development Company.



**J. W. DICK.....**

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Cook Mine near Cuba City, Wis.

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Lead Zinc

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PLATTEVILLE, WISCONSIN

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RELIABLE NEWS

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EDITOR AND PROPRIETOR



St. Rose Mine, near Platteville, Wis.

# Dubuque Undertaking Company

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DUBUQUE, IOWA



Wicklows Mine near Cuba City, Wis.



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The Only Modern Restaurant in the City

**Genuine Chinese Chop Suey and Mexican Chile Con Carne**

We Serve from 8:00 P. M. to 3:00 A. M. Best Service in the City

### **SANDWICHES AND COFFEE**

Stakes, Chops, Oysters in All Styles

High Grade Wines, Liquors, Domestic and Imported Cigars. Dubuque  
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**DUBUQUE, IOWA**

ESTABLISHED 1860

# **BREDE-LANG CO.**

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## **Fine Whiskies**

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DUBUQUE, IOWA

ALL MINERS DRINK B-L WHISKEY BECAUSE THEY  
KNOW IT IS THE BEST

**M. TSCHIRGI**

Dubuque,  
Iowa

## **Civil Engineer**

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WORKS AND PAVING : : : : : : : :

**DUBUQUE, IOWA**



Black Jack or Marsden Mine near Galena, Ill.

# The United Mining, Constructing and Manufacturing Co.

**AUTHORIZED CAPITAL, \$1,000,000.00**

This Corporation has been perfected by a body of well-known business men of Montfort and vicinity, with fixed purposes in view. The purpose of this Company is to buy, lease, sell, own and operate mines; in fact, to do a general mining business. To create and maintain a bureau of mining information of the great Wisconsin district for the benefit of investors and the public at large. To erect and operate Foundries and Machine Shops for the constructing and repairing of mining machinery; in fact, to help and assist in every honorable way the mining industries of the whole district. To assist in obtaining better transportation facilities and more equitable transportation rates, also just and uniform prices for ores produced in the district.

There are two very distinct plans of promoting mining and other commercial enterprises, and especially so with the mining companies of this district. The first plan being used is for a party or company of men to form a co-partnership, sometimes four or five, and sometimes these co-partnership companies' number of members reach the fifties and even more subscribe a given sum or amount for development purposes, and as the work progresses assessments are levied on said subscribers to pay for labor, tools, machinery, etc., until a paying mine is located, when an estimated value of the find is made and the co-partners either sell to an organized corporation or form a stock company themselves and sell their new developments to the new organization.

While this plan is legitimate and satisfactory to some investors, it does not give outside capital the opportunity or the benefits of locating the mines; in other words, of getting in on the ground floor. The plan and position the United Company has adopted and will pursue is conceded by all investors to be fair, just and equitable. Shares of non-assessable stock are sold at a nominal price to all investors, to do the drilling and locating of the ranges of ores. Then as the ores are located and the mines are opened up and our properties increase in value, our stock naturally increases in value at the same ratio. Oftentimes these advances come by leaps and bounds; for instance, a mine is very often located and opened up at a few hundred dollars expense that will sell on the market at a price ranging from \$25,000 to \$1,000,000, unworked; this, however, is estimated values, and

in some instances over-estimated and also many times under-estimated, as is proven when the mine is properly managed and operated. They pay to the stockholders enormous dividends, as in many instances in this great ore-bearing district the mines are now paying monthly dividends amounting to more than 50 per cent. of the original cost of the stock, or in other words, 600 per cent. annually on the investment. Can you conceive of any other honorable business that will bring you such rich returns for the money you have to invest outside of your regular business?

The United Company has now more than 1,700 acres of choice mineral lands selected by practical, reliable and competent men, and we are reasonably sure of locating some very valuable mines on these holdings. Our present holdings are conceded by all who know them to be very valuable.

Now we wish to distinctly impress on investors' minds that while we are incorporated for \$1,000,000, there is not a single share of promotor's stock, nor is there any treasury or preferred stock; the \$1,000,000 mark is the limit that we are allowed to issue and is all capital stock, and no stock can vote, nor can any stock draw dividend that has not been bought and paid for. All unsold stock is blank and does not become a part of the company's assets until bought and paid for. The reason this company incorporated to also do manufacturing in connection with mining, is that mining and the demand for mining machinery and the repairing of the same is increasing so rapidly in this district that delays in delivering machinery and getting repairing done is not only annoying, but is becoming a serious problem to the mining interests, and there is no question of a doubt but that our manufacturing plant will not only enhance our own mining interests, but will also be a source of profit to the United stockholders.

The question rests with you whether you wish to join in helping locate and open up the mines and obtain your stock at a nominal price, or whether you will wait until the United stocks go to par and many times par before you invest.

A few responsible solicitors will receive consideration. Send for prospectus and terms.



REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

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General Office of the United Mining, Constructing and Manufacturing Co., Montfort, Wisconsin.

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One Piece or a Car Load—EASTMAN LUMBER COMPANY Dealers in All Kinds of Building Materials.



DUBUQUE, IOWA

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Day House in the  
Northwest : : : :

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PROPRIETOR

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Brewed from the Choicest Hops and Malt. Try a Case in Your Home

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**DUBUQUE, IOWA**



Consolidated Mill, Montfort, Wis.

# RIDER-WALLIS COMPANY

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MANUFACTURERS  
OF

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Elephant

OVERALLS  
SHIRTS  
JACKETS  
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And



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## WHITE ELEPHANT

COTTON FLANNEL GLOVES AND MITTENS

LOOK FOR THE TICKET



The Great Sulphur Mine  $1\frac{1}{2}$  Miles Southwest of Montfort, Wis.,  
on the Johnson Johns Farm.

# Hotel Julien

DUBUQUE, IOWA



The Leading Hotel in the  
Northwest

W. C. KEELEY, Manager





United Mining Co.'s Office and Palace of Ores, Montfort, Wis.

The Largest Stock of Goods in Grant County



DONOHOO, SPLINTER & CO.

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Roosevelt Mine and Plant near Cuba City, Wis.

# THE MUSCALUNGE PROSPECTING & MINING CO. of Cassville, Wis.

Have some very fine properties, that will in a very short time prove to be the richest zinc and lead mines in the locality, and we are now offering Treasury shares for sale at \$1.50 each in lots of 10 or over. Shares are sold both for cash and on the installment plan, anyone interested and desiring to purchase shares should write to the Company for particulars and full description of properties.



DR. H. A. FEIKER, Secretary, Cassville, Wis., U. S. A.

Address All Communications to the Secretary



Flashlight of the Tunnelling and Development of the Muscalunge Mining Property near Cassville, Wis.



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BRAD HOPKINS,  
Manager



The Only First-class Hotel in  
the Heart of the Business Dis-  
trict, Elevator Service, Steam  
Heat, Cuisine Unexcelled, One  
Block from Postoffice, U S.  
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Horse Shoe Mine of The Fairplay Development Co. at Fairplay, Wis.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

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# Powder <sup>AND</sup> Dynamite

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and MINERS'  
SUPPLIES ❁ ❁



Hardware and  
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HENRY GEHRIG, Prop.

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RATES: \$1.00 AND \$1.25 PER DAY

Meals 25 Cents

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GALENA, ILLINOIS

# Complete Directory of Northwest Lead and Zinc District

## WITH MINES AND PROSPECTS

CAPITALIZATION, LOCATION, ROSTER  
OF COMPANY, CHARACTER OF ORE,  
ETC., COMPILED TO APRIL 15, 1906.

(P) Indicates Prospect.

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Every effort has been made to locate the mines and prospects to the nearest town and shipping point. It is but natural for the respective towns in the district to claim the location of the large mines. Our object has been to give an impartial and correct description of these properties regardless of the claims made by some of the more over zealous towns in the district.

**ADVANCE CO.**, west Mineral Point, Wis. (P). A drilling company on the Little land.

**AVENUE TOP**, Dubuque, Ia. Located at head of Julien Ave. Cap. \$25,000. Pres. Frank Coates, Sr., Vice-Pres. David Metcalf; Sec. John W. Watters; Treas. Harker Spenseley. Directors: R. Bonson, Jno. Spenseley, C. E. Wales. Offices ex-officio. This is one of the oldest and best producing lead and zinc mines in Dubuque. Office in B. & I. Building.

**ANNA BELL**, Cuba City, Wis. (P). Edge of town. Pres. B. F. Huntington, Vice-Pres. C. E. Cook, Secy. and Treas. Geo. W. Todd. Directors: B. F. Huntington, G. W. Todd, C. E. Cook, W. H. Ellis, M. A. Bishop. On Henry Schmeider's farm. Platteville and Cuba City people interested in drilling.

**AMALGAMATED ZINC CO.**, Benton, Wis. One mile northeast of Benton. Cap. \$100,000. Pres., H. N. Anderson; Treas., E. R. Hibbard; Sec., Wm. B. Keel. Directors: H. N. Anderson, J. W. Hibbard, E. R. Hibbard and Wm. B. Keel. Sheet jack, which is acknowledged by mining men to be one of the largest body of sheet jack ever uncovered in the district. Continuation of Benton M. & D. Co. Depth of mine, 80 ft. No stock for sale. The company is incorporated simply to define the interests of the four owners.

**APPLE RIVER**, Apple River, Ill., three miles north of Elizabeth. Capital \$150,000. John Gubbins, Pres., Chicago, Ill.; E. Ulerich, Treas.; Geo. Gubbins, Sec.; Dr. Downey and officers directors. Character of ore, lead and zinc. One shaft 75

MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.



Baxter Mine near Cuba City, Wis. One of the best paying mines in the District.

ft.; second shaft, 60 ft. Heavy body of lead taken out in running drift. This consists of three ranges, all bearing ore which has been proved up in the dry for one-fourth mile.

**ANTHONY**, 3½ miles northeast of Cuba City, Wis. Capital \$50,000. John Anthony, Pres.; Henry Schambow, Treas.; B. F. Huntington, Secy. This mine is situated south of the Dall, east and north of the Gritty Six in the Meekers Grove mining district. A shaft has been sunk down to 80 ft. and enormously rich and solid sheets of ore have just been encountered. Ten people own the property. The owners were recently offered \$35,000 spot cash for the property. A mill will soon be erected, and it is thought a small block of stock will be offered for sale. Inc. \$50,000.

**ALLEN, DICK**, Livingston, Wis. (P). A drilling Co. on Dick Allen's farm.

**AELRIA MINING CO.**, Benton, Wls. (P). A drilling Co.

**ANDREWS MINE**, Livingston, Wis. (P). A drilling prospect.

**ALPINE**, Dubuque, Iowa. Alpine St. Owned by Alpine Mining Co. Private company. The mine was originally called the Brunskill, Southwell & Treub. It was worked for 24 years and was one of the largest producers of dry bone ever mined in this country. One shaft is in good shape. The mine attained a depth of 210 feet.

**ADVANCE MINING CO.**, Mineral Point, Wis. Cap. \$5,000, Inc. James Brewer, J. P. Paynter, Chas. C. Neal.

**ACME MINING CO.**, Platteville, Wis. Cap. \$80,000. Inc. H. Gasser, A. B. Frederick, Fred Krog, H. Klienhammer.

## B

**BLUE MOUNDS MINING AND SMELTING CO.**, One-half mile east of Dodgeville, Wis. Cap. \$100,000. Pres., W. P. Shaw; Treas. and Sec., Ed. Swain. Zinc and lead. Mine 75 ft. deep. Building concentrator. Company has lease on 200 acres.

**BAXTER MINING CO.**, Two and one-half miles northeast of Cuba City, Wis. Cap. \$10,000. Geo. S. Parker, Pres.; W. F. Palmer, Treas. and Sec. Directors: S. B. Lewis and J. M. Bostwick, and officers ex-officio. Disseminated ore running from 20 to 54 per cent., also strongly mixed with lead. Depth of mine, 70 ft. Water shaft down to 120 feet. Their 50 ton mill with two shifts turns out 16 to 17 tons of zinc per day and from one to two tons of lead. Officers reside at Janesville, Wis. The Baxter mine has been in operation under the present management about one year and a half. The mine was formerly worked by other parties and abandoned. When the present management took hold of it, operations were confined to a shaft that is not now used, for not having a pump to remove the water which came in the mine from the spring, they were driven from the shaft in which they were working to another shaft that had been opened by the former operators. They found ore about 18 inches from the bottom of this shaft, so that if the former owners had gone just that much further, they would have discovered what is now known as the Baxter mine. The mine has been opened up for a distance of about 125 feet. The greatest width is 40 feet. The average depth of ore, which is a rich disseminated ore, is between 14 and 15 feet, although holes have been put down on other parts of the property that show a depth of this ore of as much as 30 or more feet. The vein has been traced up something like 1500 feet. It is said by many who have visited the mine that it is the largest zinc deposit discovered in the district.

**BIG SPRING MINING CO.**, Linden, Wis. Pres. J. P. Rundell; Treas., W. M. Hetherington; Sec., P. A. Eden. Has lease on 160 acres near village.

**BANKERS NATIONAL DEVELOPMENT CO.**, Platteville, Wis. (P). Cap. \$200,000. Pres., C. H. Freeman; Vice-Pres., J. H. Fox; Sec. and Treas., A. C. McComber. F. H. Trego, consulting engineer. Have leases on 2500 acres of land—most of it in the Shullsburg district.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

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We will guarantee to fit you accurately  
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Dubuque, Iowa

## The Platteville Journal

Platteville, Wisconsin

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Keeps its readers fully  
informed of the mining situation every issue :: :: ::

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Watch its columns for new propositions

## ENGINES, BOILERS, COMPRESSORS, HOISTERS,—SMEDLEY STEAM PUMP CO.

**BADGER MINING CO.**, Montfort, Wis. (P). One-half mile east and northeast. Cap. \$2,000. Pres. John Allen; Vice-Pres. Geo. Heller; Treas., David James; Secy. R. M. Orchard. Directors: Art Vine, Victor Heller, Walter Addison, John Fieldhouse, Wm. Nichols. Have lease on following farms: John Allen, Art Vine, Geo. Heller, Victor Heller, Walter Addison, E. Carrington—about 2000 acres.

**BAGLEY MINING CO.**, Livingston, Wis. (P). Pres. A. V. Wells; Vice-Pres. A. E. Rundell; Secy. and Treas., Fred Stevens. Directors: E. A. Bagley, Eugene Kenyon, H. M. Livingston. Will work on the Bagley farm two miles south of Livingston.

**BABCOCK**, Livingston, Wis. (P). A drilling Co. on the H. R. Livingston farm.

**BOOTH**, Livingston, Wis. (P). A drilling Co. on J. H. Livingston's farm.

**BLACK DIAMOND DRILLING CO.**, Cuba City, Wis. (P). Will operate on land near the Midway mine. Good ore has been struck in first two holes—a five foot run at a depth of 45 feet.

**BRUNSKILL MINE**, Shullsburg, Wis. (P). Lead ore. On the Simon Brunskill farm.

**BLACK JACK-MARSDEN MINE**, three and one-half miles south of Galena, Ill. Cap. \$250,000. Pres., C. M. Dow; Secy. and Treas., J. P. Mallett. Directors: W. W. Gill, A. J. Hutton, Philip Fox, Fred H. Howe, Jackson Repter. Lead and zinc ore. Has modern machinery, electric lights, erecting two-story office building.

**BONANZA LEAD & ZINC CO.**, (P). One mile north of Mineral Point, Wis. Main office at Dodgeville, Wis. Incorporators: City Bank, N. C. Miller, J. B. Juesgou, W. P. and Edward Esch, Dodgeville, Wis. Lead and zinc ores. Property under lease. Has three ranges on it. Two shafts have been sunk.

**BAILEY MINING CO.**, Cuba City, Wis. (P). Cap. \$15,000. Incorporators: Geo. B. Simpson, C. S. Putnam and W. G. Wheeler of Janesville, Wis.

**BLACKHAWK LEAD CO.**, Elizabeth, Ill. Cap. \$500,000. Pres., J. J. Auld; Treas., Geo. R. Bard; Secy. E. Ramsdell. Directors: C. E. Everett, G. M. Furness, Jr., E. Ramsdell, S. P. Nold, C. G. Ballentine, J. J. Auld. Lead ore. Mine 127 ft. deep.

**BLOOMINGTON MINING CO.**, Bloomington, Wis. (P). A drilling company on the Eliza Maiden farm.

**BRUSH-HILL CO.**, Platteville, Wis. (P). Directors: Samuel Griffith, A. F. Phillips, Henry Oettiker. Composed of nine people from Platteville and Edgerton, Wis. Will drill on Griffith farm.

**BLOCK HOUSE MINING CO.**, Platteville, Wis. (P). A drilling Co. on the Wm. Richards farm.

**BROWN MINING CO.**, Mineral Point, Wis. Four miles south. Cap. \$45,000. Pres., Jas. Hutchinson; Treas. and Sec. E. Y. Hutchinson. Directors: Jas. Hutchinson David Brown, Dr. C. J. Fawkes, Edward Jenkins and F. W. Phelps. This mine has large body of solid ore under glass rock. The vein has been cross cut for seventy feet. Mine 38 ft. deep. A concentrating mill has been contracted for to be in operation in 90 days. The mill will be located at the railroad siding one quarter mile from mine and the ore sent down by tram.

**BUCHAN MINING CO.**, Benton, Wis., one-half mile northeast. Cap. \$25,000. Directors: M. E. Coltman, Pres.; W. R. Buchan, Sec. and Treas.; P. A. Orton and John Flynn. Black jack and led ores. Pitches and flats. Mine 20 ft. deep. 22 inch sheet. Continuation of Quinlin mine. No stock for sale.

**BENTON MINING AND DEVELOPMENT CO.**, Benton, Wis. Cap. \$25,000. Pres., M. E. Coltman; W. B. Vail, Treas.; W. R. Buchan, Sec. Directors: M. E. Coltman, J. E. Tempel, R. A. McKinney, J. Coulthard, R. Boll. Jack and lead. Depth of mine from 40 ft. to 160 ft. Sheet ore. Has leases on 10 farms or about 1000 acres. No stock for sale.

**BOSTON MINING CO.**, Platteville, Wis. (P). In city limits. A drilling Co.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

# THE BIG JACK MINING COMPANY

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CAPITAL STOCK, \$100,000

PAR VALUE OF SHARES, \$1.00

Mine Located Just Outside the City Limits of Platteville

Working Shaft Sunk and Eight Hundred Feet of  
Ground, Cross-Cut and Drifts, Opened Up and all  
in Pay Ore : : : : : :

A Large Quantity of High-Grade Milling Ore now  
on Dump and Increasing Rapidly as 15 to 18 Men  
are Employed in Opening Ground Day and Night

FOR THE PURPOSE OF ERECTING A MILL AS EARLY THIS SPRING AS WEATHER CONDITIONS  
WILL PERMIT A BLOCK OF THE TREASURY STOCK IS NOW BEING SOLD AT PAR

Any Information Desired in Reference to this Company May be Obtained by Addressing Mr. John Mayhew,  
Superintendent, Platteville, Wis., or the General Office, 218 Shukert Building, Kansas City, Mo.



## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**BIG JACK MINING CO.**, Platteville, Wis. West on Bell land. Cap. \$100,000. Pres., L. Underwood; Treas., J. G. Trimble; Vice-Pres., W. S. McCaull; Sec., A. Chapin. General offices, Shukert Bldg., Kansas City, Mo. Lead and zinc. Have 38 acres leased. A number of holes drilled show from 6 to 17 ft. of disseminated ore. Is owned by Kansas City parties. John Mayhew in charge.

**BENTON LAND MINING CO.**, Benton, Wis. Cap. \$45,000, Inc. Geo. G. Sutherland, A. M. Valentine, M. G. Jefferies.

**B. B. M. CO.** Lancaster, Wis. Five miles west. (P). Cap. \$4,000. Ed. M. Lowry, Pres.; V. L. Showalter, Treas.; H. E. Carthew, Sec. Directors: Jno. Weber, Walt Weber, Jno Dechow and H. Henkel and officers ex-officio. 40 acres leased. One shaft 115 ft. deep. 15 ft. of rich disseminated zinc and lead. Good rock to work. This is going to be incorporated soon and will be known by above name.

**BEACON LIGHT**, Platteville, Wis. (P). One mile east of the Empire. Forty shares, \$100 each. E. L. McCoy, Trustee. Stockholders and headquarters at Lancaster. 240 acres of the best land in the Platteville district leased. Two drills at work. Good jack and lead has been found in several holes. Shares in this prospect have been transferred at \$1,000 premium.

**BURRELL MINING CO.**, Benton, Wis. (P). Cap. \$60,000, par value \$1.00. Directors: H. C. Martin, Jas. McGinty, Lewis Boll, Tom Calvert, A. R. Emerson. Lead ore. Has under lease 240 acres owned by Calvert Bros. One mile from Benton. The company is putting down two shafts into the flint opening and rich ore is being raised. Personal inspection given by W. B. Vail, Benton, Wis.

**BROWN-CROFT CO.**, Shullsburg, Wis. Cap. \$40,000. Wm. Croft, Pres.; Phil. Allen, Jr., Sec. and Treas. Directors: W. A. Jones, J. J. Heathcock and N. H. Snow. Kind of ore, zinc and lead. Mine 60 ft. Incline shaft. 50 ton mill. Air compressor and drills. 20 ton roaster.

**BICKFORD MINE**, Livingston, Wis., two and one-half miles southeast. Company is composed of Chicago, Madison and Lincoln people. Cap. \$60,000. Incorporators, Charles A. Glanville, Thomas H. Kislisbury, John W. Taylor.

**BIG THREE**, Lancaster, Wis. (P). Three miles southwest. Cap. 50 shares, \$25. each. W. A. Johnson, Pres.; W. E. Shimmers, Sec. and Treas. Directors: Jno. Earty, Jno. McDoval, T. F. Orton, W. R. Kerr, officers ex-officio. 540 acres of good mineral land. Work to begin at once by drilling.

**BRUGH-KNAPP CO.**, Dubuque, Iowa. Three miles west, near Center Grove. Directors: J. Schwind, Wm. Brugh, P. Boyle, Josh Hird, Dr. H. G. Knapp. Lead ore. Mine 100 ft. deep. On Lockey ground. Different workings in lead ore show rich deposits.

**BAULE BROTHERS**, (P). Dubuque, Iowa. Two miles south of city, near Catease. Lead ore.

**BIG SIX**, Benton, Wis. Two miles east. Partnership. Pres., M. Sweeney; Treas., S. Shaffer; Sec. J. McCanna. Sheet jack and lead. Mine 73 ft. deep. No stock for sale.

**BABEL MINE**, Warren, Ill. One and one-half miles south. Cap. \$50,000. Secy. Byron Hicks. Lead in paying quantities now being raised. Modern machinery is employed. No stock for sale.

**BLACK HAWK**, Big Patch, Wis. (P). Reorganized and work resumed.

**BEN HUR MINING CO.**, Mineral Point, Wis. Cap. \$45,000. Zinc ore. Mine 65 ft. deep. Mineral Point & Northern Ry. has a spur built near the shaft. Will erect mill here. Has two shafts connected with a drift.

**BEACON HILL MINING CO.**, Cuba City, Wis. Southeast. Will operate the old Harvey shaft. Large amount of lead taken out in early days. Frank Heil, Pres.; S. L. Curtis, Sec.; H. E. Scott, Treas. Inc. for \$50,000. Equipped with pumping and hoisting apparatus.

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MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

# Does Your Boiler Need Repair?

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If So, Notify Us and Save Delay and Damage

**B**OILERS are often ruined by the delay in making repairs. We have a corps of competent mechanics we can send out on very short notice to do this class of work. We also have the necessary tools and material and can send men out on first train after receipt of telegram or letter.

We Buy, Sell and Exchange all kinds of New and Second Hand Boilers and Engines Office and Foundry, Elm St., bet. 22nd and Sanford Sts.

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**Morrison Bros. Boilers, Water Tanks**  
Manufacturers of  
And General Workers in Iron and Steel, Dubuque, Iowa

Rocking and Stationary Grates and all Kinds of  
Boiler Trimmings and Fittings and Supplies.

## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**BELMONT MINING CO.**, Belmont, Wis. West. Cap. \$2,000. Directors: D. L. Reichers, Pres.; F. Prussing, Vice-Pres.; J. J. Hemphill, Sec. and Treas.; J. C. Robbins, and C. Speth. Lead and jack. Mine 32 ft. deep. Have drill on ground drilling for jack, but at present are taking out lead.

**BIG BADGER CO.**, Platteville, Wis. (P). A drilling Co.

**BLACK HAWK MINING CO.**, Platteville, Wis. Cap. \$50,000. Pres., Fred Krog; Treas., A. W. Kopp; Vice-Pres. Henry Spink; Secy., C. A. Loveland, Jr. Directors: Fred Krog, Henry Spink, Wm. Robson, Warren Johnson, Sr., Joseph Thomas. Lead and zinc ores. Mine 153 ft. deep. Have 120 acres leased. Ore range extends across 80 acres.

**BIRD AND OATWAY**, Warren, Ill. (P). Two miles south. Lead ore. Depth of mine, 30 ft.

**BUSY BEE MINING CO.**, Dubuque, Iowa. Cap. \$20,000. Pres., Thos. Westerby; Sec. and Treas., C. A. Ruff. Directors: Thos. Westerby, Jas. Westerby and C. A. Ruff. Lead. Mine 130 ft. deep. Thirteen crevices, all carrying ore, and are going down for jack.

**BOICE PRAIRIE PROSPECTING CO.**, Lancaster Wis. Four miles south. Cap. 40 shares \$25. Pres., W. J. Bailie; Sec., Jno. Stone; Treas., Frank Schreiner. Directors, W. J. Bailie, John Stone, Frank Schreiner, Tony Howell, W. R. Bailie. Five holes have been drilled with very good results. 129 acres under lease.

**BIG SPRING MINING CO.**, Linden, Wis. Pres. J. P. Rundell; Secy., P. A. Eden; Treas., W. M. Hetherington. Lease on 160 acres of Osborn farm.

**BADGER GIRL MINING CO.**, Cuba City, Wis. (P). A drilling Co.

**BEETOWN MINING CO.**, Beetown, Wis. (P). One-half mile southeast. Directors: Pres., G. A. Stephens; Secy., O. F. Tate; Treas., Wm. Guthra. L. Okey, H. Grim, P. H. Grim. Drill to work with a rich strike. 31 acres under lease.

**BLEWETT MINE**, Galena, Ill. Near Galena in Buck Hill district. Owned by Mr. Blewett,—an old lead producing mine.

**BROADWAY MINING CO.**, Platteville, Wis. Pres. E. H. Cordts; Platteville; Sec., Dr. J. B. Hitchcock, Montfort, Wis. Have lease on 13 acres of land adjoining the Empire and Enterprise mines. Shares \$25 par.

**BOARD OF TRADE MINING CO.**, Cuba City, Wis. A drilling company on the same range as the Jarrett Lead and Zinc Co.

**BIG DAD MINING CO.**, Platteville, Wis. Cap. \$75,000. W. A. Marling, C. D. Matthiewie, Max Runneldt.

### C

**CLIFTON BADGER MINING CO.**, Lancaster, Wis. (P). Cap. 43 shares of \$25. each. Directors: Albert Wedenback, Pres.; S. E. Taylor, Secy. and Treas.; L. Wetter, Jim Graham, H. Tresham. Have 400 acres good rich mining ground, eight miles east of Lancaster, Wis. Drills to work with good results.

**COLUMBIA ZINC & LEAD MINING CO.**, Dubuque, Iowa. (P). Cap. 35,000 shares, par value \$1.00 each. J. J. Nagle, Pres.; M. J. McCullough, Vice-Pres.; F. J. Cornelissen, Sec. and Treas. Directors: Tom Williams and Dr. Walker. Have leases on 500 acres on the Turner, Van Blake and Welgeman ranges northeast of Sinsinawa mound in Wis., from which much lead was taken some years ago; also some land in Dubuque Co. This is one of the new live companies recently organized.

**CLARK MINING CO.**, Highland, Wis. One mile southeast. Partnership. Pres., J. Muldouney; Treas., Wm. Miller; Sec., J. Delaney. Directors: Miller, Muldouney, Clark, Delaney and Whitman. Disseminated black jack ores. Depth of mine, 70 ft. Milling proposition. Good mine worked for some years. Sold to Mineral Point Zinc Co.

**CURTIS DEVELOPMENT CO.**, Cuba City, Wis. (P). Drilling on Clemens land.

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MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

# Chicago-Benton Zinc Co.

Operating Mine and Mill on Coltman Farm (152 acres) one mile east of Benton, Wisconsin.

Ore was discovered on this land in 1899. As the "Coltman" was known as the greatest dry bone mine in the district—a flat sheet of ore 18 inches thick and 70 feet wide yielding \$170,000.00.

The great east-west range extending through the Star, Empress, Jug Handle and Swift & Rooney has been explored for a quarter of a mile through this property, and is intersected by the "four o'clock" which made the Etna, Blende and Ida, also by the "ten o'clock" on which are the Quinlan, Sally Waters and other famous diggings.

Two bone levels have been partially worked out and a big run of jack below them is now being developed. The ore lies in a series of flats and pitches, starting at the grass roots and increasing with depth. A width of 80 to 160 feet has been proven without finding either outer walls. The pump shaft is 83 feet deep and present work is being done on 75 foot level.

This property is equipped with a strictly up-to-date milling plant, with crushing capacity of 100 tons and jig capacity of 50 tons each ten hours.

Two 10 inch cross-head lift pumps, 80 horse power boilers, two 30 horse power Brownell engines, hoisting engine, etc., to



which has just been added an Ingersoll-Sergeant Air Compressor of large capacity and latest design. All housed in a steam-heated building, with labor-saving devices and complete workshop, ore bins and cleaning room. Work underground is greatly facilitated by the use of Ingersoll air-hammer drills which are now in use. A tunnel entrance affords easy access to the mine and insures fresh air and safety to the miners.

Considerable quantity of ore has already been marketed and this mine is now counted a steady producer, and seems certain to soon enter the ranks of steady dividend payers.

The capitalization is modest, yet the larger part of stock is still in the company's treasury. The management is extremely conservative and careful, the official roster being as follows:

President, M. E. Coltman, Benton, Wis.; Vice-President and Superintendent, S. M. Coe, Benton, Wis.; Secretary, F. B. Davies, Chicago, Ill.; Treasurer, F. M. Klingenhagen, Chicago, Ill.; Director, C. E. Davies, Chicago, Ill.

Chicago Office 86 Washington Street. Inquiries cheerfully answered. A small block of stock offered at par.

## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**CHICAGO-BENTON MINING CO.,** Benton, Wis. Three-fourths mile east. Cap. 50,000 shares, \$1.00 par. Pres., M. E. Colman; Vice-Pres., S. M. Coe; Treas., F. M. Klingenhagen; Sec., F. B. Davies, 86 Washington St., Chicago, Ill. Directors: M. E. Colman and S. M. Coe, Benton; F. B. Davies and F. M. Klingenhagen, Chicago; C. E. Davies, Maywood, Ill. Character of ore, carbonate, disseminated. Assays of "blende" from exploration shaft shows 63 per cent. zinc and only 2 1-2 per cent. iron. Roasting unnecessary. Makes in pitches and flats. Depth of mine, 86 ft. Ore discovered in 1879. Has lease on 152 acres, and pays a royalty of one-tenth. Has modern machinery.

**CLINTON CO.,** Platteville, Wis. (P). In city limits. A drilling Co. operating in the west part of town.

**CRACKER JACK MINING CO.,** Arthur, Wis. (P). three-fourth mile west. Lead ore. In sinking second shaft a quantity of lead was found at the depth of 18 feet.

**COKER MINE,** Livingston, Wis. Two miles east. Zinc ore, 5 to 8 cars per month; lead, 1,000 lbs. per day. John Noble, Supt. 42 men employed. Pay roll \$1800 to \$2000 per month. Have \$50,000 worth of machinery. Have new incline shaft 6x7, 450 ft. long. Intend to increase output 10 to 12 tons per day.

**CLAYTON,** Rewey, Wis. (P). Drilling. Good showing of jack on Clayton farm.

**CLEARY-VOSS,** Cuba City, Wis. (P). Leased by T. L. Cleary, Platteville, Wis., and E. E. Voss and associates of Milwaukee. Zinc ore. Depth of mine, 172 feet. Includes Banfield and Chris Brun property, consisting of 320 acres. In first drill hole good ore was struck at 172 feet.

**CHANDLER MINING CO.,** Montfort, Wis. (P). One-fourth mile south. Pres., J. M. Delaney; Secy. and Treas., D. James. Directors: E. D. Cordts, John Robinson, J. H. Johnson, J. M. Rosenaw, and Geo. Chandler. Shaft to flat. Sulphur.

**CALAMINE & MINERAL POINT MINING CO.,** Calamine, Wis. (P). One and one-half miles west. Cap. \$1,250. Pres., M. J. Cavanaugh; Treas. and Sec., F. W. Priestley. Directors: W. H. Correll, F. L. Murray, T. S. Boyle. Zinc ore. Twenty-five people here and in Mineral Point organized a drilling proposition at \$50. each.

**CALAMINE, WIS.** (P). One mile west. Cap. \$2,000. Pres., C. A. Loveland. Zinc ore. Drilling proposition. All Platteville, Wis., parties.

**CLAPAS MINING CO.,** Lancaster, Wis. Three miles west. Cap. 20 shares, \$100. Pres., Delos Edwards; Sec. and Treas., M. C. Edwards. Directors: D. Edwards, M. C. Edwards, Ed. M. Lowery, Hal Stephens, Jas. McNamara, D. Kilhey, Frank Bidwell, T. F. Orton, Geo. Walker. 40 acres under lease. Shaft going down, with good lead.

**CALAMINE, WIS.** (P). One-half mile east. Cap. \$5,000. Zinc ore. All Janesville parties. Not fully organized.

**CUSHMAN-DIETZMAN & DOLAN MINE,** Rewey, Wis. North-east. Pres., A. C. Dietzman; Treas., C. I. Cushman; Sec., Jas. Dolan. Excellent quality of zinc ore secured from drillings. Depth of mine, 125 ft. This company is now making preparation for sinking a shaft and installing all necessary machinery. Promises to be a good mine. In range with Sunset and Sunrise mines.

**CORNISH POINT LEAD & ZINC MINE CO.,** Potosi, Wis. (P). Cap. \$25,000. Have leases on land in the towns of Harrison and Potosi. Four and one-half miles east. Heavy bodies of disseminated ore. Depth of mine, 85 ft. The village of Rockville is nearest to the property which is known as the John Wolf and Louis Polander lands.

**CENTURY MINING CO.,** Benton, Wis., city limits. Cap. \$50,000. Directors: J. V. Swift, Pres. and Treas.; J. T. Kelley, Sec.; Michel Sweeny. Sheet jack and dry bone. Depth of mine, 145 ft. Expect to have to sink twenty feet more before reaching oil rock. Stock all subscribed for.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

# JEFFREY ELEVATING, CONVEYING SCREENING MACHINERY



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Standard Steel Elevator Bucket for  
Handling a Variety of Material



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DENVER

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

**CUNNIGAN MINE**, Dubuque, Iowa. On Summer Hill. Shaft 100 ft. deep. Owned by J. McGregor. Lead proposition. Ore has been taken out in small quantities down through the sinking.

**CONSOLIDATED MINING, MILLING & MANUFACTURING CO.**, Highland, Livingston, and Montfort, Wis. Cap. \$500,000. Pres., John E. DeWitt; Vice-Pres., E. H. Cordts; Treas., Geo. S. Bell; Secy., J. L. Gardner, of Montfort, Wis. Directors: A. R. Manley, Geo. F. Hess, E. H. Cordts, John Kidd, John E. DeWitt, J. L. Gardner. John Kidd, Financial Agent, Milwaukee, Wis. Lead and jack. Has 600 acres with 5 shafts. Mill is at shaft No. 2, one-half mile from Ry. at Montfort. Shaft No. 1 is on Cokerville range. Shafts 2 and 3 are connected by incline tunnel 500 ft. long. Shafts 4 and 5 are on lands near Highland. Runs 3 shifts.

**COOK LEAD & ZINC MINING CO.**, Cuba City, Wis., five miles northeast. Cap. 50,000 shares, par val. \$1.00 each. Pres., T. S. Cook; Vice-Pres., Ben H. Hoeper; Treas., Matt Hendricks; Sec., S. E. Smalley. Directors: T. S. Cook, John Dall, Ben H. Hoeper, Bert Cook, and Wilson Kendall. Lead and zinc ores. Is on the Dall range and in addition has a 6-inch sheet of jack. This mine is taking out good ore and stock advancing.

**CHECKERBOARD MINING CO.**, Lancaster, Wis. (P). Directors: Henry Henkel, Pres.; Dr. T. S. Marsden, Vice-Pres.; W. F. Joeckel, Secy.; V. L. Showalter, Treas.; Albert Hinn, and Has. Gelvin. Company will purchase 80 acres of land of Chas. Bast, just west of the Klondike mine.

**CALVERT MINING CO.**, Benton, Wis. Cap. 60,000 shares, \$1.00 par. Directors: R. E. Tarrill, Dave Schrieter, J. K. Carey, Jas. Calvert, A. R. Emerson. Has leases on 215 acres about one-half mile from Benton on the Calvert property. Large quantity of lead ore was taken from surface openings in the early fifties. Personal inspection given by W. B. Vail, of Benton, Wis.

**COUNTY LINE MINING CO.**, Platteville, Wis. (P). Directors: J. H. Wise, Pres.; Wm. Doyle, Treas.; Manfred Block, Sec.; Henry Shambow, Leon Smail, Chas. Kister. Company will operate on Leon Smail's land.

**CASSVILLE MINING & MILLING CO.**, Cassville, Wis. (P). Directors: Aloys Grimm, Pres.; Vice-Pres., Herman Grimm; G. A. Silvens, Sec. and Treas. Lead and zinc ores. Have 280 acres comprising the Abrathe (lead) and Grimm Bros. (zinc) mines.

**CONOVER, ALLEN**, Platteville, Wis. (P). Four miles southwest of Platteville. Owned by Madison parties. Has good jack showing on Elmer Knox land near old Dickson range. Mr. Conover is representing Madison, Wis., parties.

**COOK AND TODD**, Cuba City, Wis. (P). Two and one-half miles northwest. On the Peacock farm, where good lead was found some years ago.

**CARDIFF COAL CO.**, Potosi, Wis., one-half mile out. Private Co. Pres., C. W. Trayer. Jack and lead. Depth of mine, 200 ft. Fine plant and mine—looks very good.

**CAMELBACK**, Livingston, Wis. (P). A drilling Co. on the H. M. Livingston farm.

**CENTURY MINE**, Benton, Wis., village limits. John Swift, Superintendent. Is yielding well. Some of the ore does not require roasting.

**CARL MINING CO.**, Platteville, Wis. (P). Four miles southwest. Pres., A. W. Kopp; Vice-Pres., G. Carl; Treas., Geo. Harms. Directors: Geo. Harms, Chas. Bunt, James Schroder. Have leases on the Carl, Kopp, Brugger and Pitts farms.

**CUBA CITY PIONEER MINING CO.**, Cuba City, Wis. (P). Directors: T. Conlon, Pres.; Vice-Pres., H. E. Scott; Jos. Longbotham, Treas.; H. D. Meloy, Sec.; T. F. Splinter. Company has lease on the Rosa Runde land near Sinsinawa, Wis.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

# DUBUQUE ORE DEVELOPMENT CO.

## MINERAL LANDS IN DUBUQUE COUNTY FOR LEASE OR SALE

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2500 Acres of the best Lead and Zinc producing  
lands under lease.  
1000 Acres of Mining Rights for sale.  
Correspondence Solicited

### OFFICERS:

ROBT. BONSON, Pres.

WM. LAWTHER, V.-Pres.  
B. F. BLOCKLINGER, Treasurer

HENRY B. GNIFFKE, Sec.

### DIRECTORS:

Robt. Bonson

Henry B. Gniffke  
C. M. Peaslee

C. H. Bradley  
S. F. Rider

F. W. Altman

Wm. Lawther  
C. H. Eighmey

Frank Bell

---

## OUR AIM AND OBJECT

IS TO DEVELOP THE MINES OF THE DUBUQUE DISTRICT, AND  
WILL ASSIST ANY LEGITIMATE MINING COMPANY SEEKING  
INVESTMENT HERE.



## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

**CRESCENT CO.**, Rewey, Wis. Capital 100 shares, \$20 each. Pres. Fred Gunsauls, Sec. and Treas. J. J. Ruble, Directors T. L. Cleary, John Nancolas, I. C. Washburn, W. C. Livingston, Prof. Leonard, Prof. Gentle, Fred Gunsauls. Will operate the Crescent mine.

**CUBA CITY LEAD & ZINC CO.**, Cuba City, Wis., 2½ miles northeast, near the Baxter mine. Is a continuation of the Baxter, also on east and west range comprising the Gritty Six and Old Raisbeck range. Cap. \$25,000. Pres. Frank Heil; V. Pres., W. H. Worthington; Sec., H. D. Melloy; Treas., H. E. Scott, who with Mr. Graham constitute the board of directors

**CALUMET LEAD & ZINC MINING CO.**, Cuba City, Wis. (P). Cap. \$100,000. On the W. A. Banfield farm near St. Rose. Good ore was found in five drill holes.

**CROSS PLAINS MINING CO.**, Platteville, Wis. (P). It is composed of one hundred shares at \$50 per share. J. B. Rundell, Platteville, Pres.; T. L. Cleary, Platteville, Vice-Pres.; J. K. Stevens, Platteville, and Wm. Alton and J. B. Williams, of Cobb, Directors. Drilling will be commenced at once. It has 900 acres leased from the following farmers in the vicinity of Cobb, Wis.: Rudolph Heuer, J. B. Williams, Chas. Williams, Henry Culver, Wm. Alton and H. Nagel.

**CENTERVILLE MINING CO.**, Platteville, Wis. Cap. \$36,000. Inc. Geo. Merrifield, J. P. Rundell, A. W. Kemler.

**CONSOLIDATED ZINC CO.**, Platteville, Wis. Cap. \$50,000. Inc. W. T. Brown, E. W. Sargeant.

## D

**DOYLE, CONROY, CODY.** Southeast of Highland, Wis. Partnership. John Doyle, Pres.; Thomas Conroy, Treas.; Thos. F. Cody, Sec. Directors: Doyle, Conroy, Cody, Powers. Bird eye jack in the slate, lead and underlying bed of carbonates. Depth of mine, 56 ft. Extension of Centerville ranges. Milling proposition.

**DUBUQUE ORE DEVELOPMENT CO.**, Dubuque, Iowa. Pres., Robt. Bonson; Treas., B. F. Blocklinger; Vice-Pres., Wm. Lawther; Sec., Henry B. Gniffke. Directors: Robt. Bonson, Henry B. Gniffke, C. H. Bradley, F. W. Altman, Wm. Lawther, Frank Bell, C. M. Peaslee, S. P. Ryder, and C. H. Elghmey. Have 2500 acres best lead and zinc producing lands under lease. Its aim and object is to develop the mines of the Dubuque district.

**DE SOTO LEAD & ZINC MINING CO.**, Galena, Ill. Three miles east of Hazel Green. Cap. \$12,000. Lead and zinc. Depth of mine 50 ft. This Co. just organized. \$2,000 in cash raised in an hour among Galena business men as a starter.

**DIVAL MINING CO.**, of Montfort, Wis. (P). Two miles west. Pres., W. F. Di Vall; Vice-Pres., F. E. Parish; Sec., M. W. Glassen; Treas., David James. Directors: Wm. Di Vall, E. A. Biddick, John Fieldhouse, Geo. Muender, Montfort; F. O. Lester, Madison; W. G. Hale, Mineral Point; F. E. Rector, Fennimore, Wis. This Co. has a lease on 800 acres.

**DOLPHIN MINING CO.**, Livingston, Wis. (P). Two and one-half miles east. Cap. \$60,000. Pres., W. Lewis; Vice-Pres., J. H. Webb; Treas., W. H. Doyle; Sec., E. B. Smith. Directors: F. W. Money, Milwaukee, Wis.; F. S. Smith, Waukesha, Wis.; Dr. H. S. Gibson, Menominee, Wis.; W. Lewis, Richard Bell, J. H. Webb, F. Knapp. Lead and zinc ore. 105 ft., depth of mine. Eight holes drilled, good showing in six. Leases cover 80 acres of mining ground one-half mile north of Coker mine.

**DIVIDE MINING CO.**, Rewey, Wis. (P). South. Pres., W. H. Temby; Treas., O. G. Rewcy; Sec., J. J. Ruble. Will operate on the Shepherd farm.

**"DOC" REWLEY MINE**, Dubuque, Iowa. An old lead producer near St. Ambrose church, West Dubuque. Mr. Charles Meyer is Pres. of the new company, with Mr. Thos. Clark and others as stock holders. This is a producing mine at the present time.

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MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

JOHN A. ANDERSON  
President

ED. LIDDELL  
V. Pres.

B. F. RICHARDSON  
Secretary

W. W. BONSON  
Treasurer

W. T. KERSHNER  
Superintendent

---

CAPITAL STOCK, \$20,000

---

# DUBUQUE DRILLING COMPANY

DUBUQUE, IOWA

OFFICES, Security Building, Fourth Floor

Own and Operate Nine Machines

Own and Operate Nine Machines

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CONTRACTS TAKEN FOR PROSPECTING BY DRILLING.  
EXPERT OPERATORS, ACCURATE RECORDS OF EACH  
OPERATION KEPT AND ASSAYS MADE IF DESIRED.

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Own and Operate Nine Machines

Own and Operate Nine Machines

## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**DUBUQUE DRILLING CO.**, Dubuque, Ia. Cap. \$20,000. Pres., John A. Anderson; Vice-Pres., E. T. Liddell; Sec., B. F. Richardson; Treas., W. W. Bonson; Supt., W. T. Kershner. Organized to develop mining land. Nine drills in the field. Offices on 4th floor Security Building.

**DRILL HOLE MINE**, Galena, Ill. (P). Fine sheet jack was found drifting on the 230 ft. level. This mine is remarkable for its great depth and scarcity of water.

**DUNKLEY MINING CO.**, Dubuque, Iowa. Northwest. Pres., I. J. Dunkley; Treas., W. H. Dunkley. Lead ore of good quality. Depth of mine, 80 ft. Ranges being worked are the Kennedy and Smyth.

**DUNKEL MINE**, Galena, Ill. In city limits. Depth of shaft, 30 ft. John Dunkel and son are owners of mine. Have struck rich sheet of lead ore.

**DUFFOYN & CLIMAX**, Dodgeville, Wis. (P). Zinc ore. Owned by Daniel Evans.

**DRINKWATER, WM**, Livingston, Wis. (P). A drilling Co. on the Jim Drinkwater farm.

**DAVIDSON DEVELOPMENT CO.**, West of Platteville, Wis. (P). This Co. is working on the Robt. Wilkinson farm near the old Whig range.

**DORAN & CARRINGTON MINING CO.**, Montfort, Wis. (P). East. Has lease on the Art Vine farm.

**DEWEY MINING CO.**, Shullsburg, Wis. (P). Zinc ore. Have struck an eight foot body of jack at forty feet in shaft.

**DAVID, O. P. MINING CO.**, Montfort, Wis. (P). Three-fourth mile southeast. Cap. \$120,000. Pres., ———; Vice-Pres., J. P. Chandler; Sec. L. H. Stevens. Directors: J. H. Fosbinder, H. E. Carthew, O. A. Eastman, L. H. Stevens, A. F. David. Stock went from \$25.00 to \$1,000 in ten days. 2 ft. of jack and a 2 to 6 inch sheet of lead.

**DICKSON-OETTIKER**, Platteville, Wis. (P). Four miles southwest. Zinc ore. On the Dickson land; have refused \$9,000 for drilling prospect.

**DAWSON MINING CO.**, Benton, Wis. South. Cap. \$50,000. Pres. A. V. Wells; Treas., T. H. Bainbridge; Sec., John Beck. Directors: A. C. Osborne, John Dawson, T. H. Bainbridge, Will Buchan, A. V. Wells. Black jack and lead. Depth of mine, 140 ft. Very good show for making a large zinc mine. Erecting a \$33,000 concentrating mill. C. & N. W. Ry. spur is being built to the mine.

**DALL LEAD & ZINC CO.**, Cuba City, Wis. Four miles north-east. Cap. 35,000 shares, \$1.00 par. Vice-Pres., T. F. Cummings; Sec. and Treas., Frank Doscher, Platteville. Lead and zinc. Depth of mine, 105 ft. Have its shafts connected by underground tracks. 100 ton mill, 30 ton roaster, assay office and up-to-date mining machinery and mining methods. 250 acres leased on 10 per cent royalty.

**DANFORTH CO.** (P). Platteville, Wis. In city limits. A drilling company.

**DURANGO LEAD MINING CO.**, Durango, Ia. Cap. \$10,000. Pres. John Ritter, Vice Pres. Geo. Kiefer, Sec and Treas. John Homan.

**DUBUQUE-BENTON CO.**, Benton, Wis. (P). Have found jack at 101 ft. in the Kittyland mine.

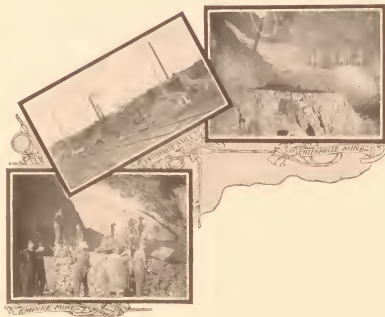
**DODGEVILLE MINING CO.**, Dodgeville, Wis. Cap. \$25,000. Hugh Parry, J. C. Campbell, W. J. Parry, A. B. Whitman.

**DUKE SMITH MINING CO.**, Dodgeville, Wis. Cap. \$60,000, Inc. M. E. McCaffrey, W. H. William, M. J. Tappin.

**DODGEVILLE SMELTING & MILLING CO.**, Dodgeville, Wis. Cap. \$100,000; Inc. Jas. H. Spence, H. B. Fargo, A. B. Whitman, Joseph Bennett, W. League.

**DELTA MINE**, Platteville, Wis. (P). Sinking shaft and will put up building and machinery.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.



Views of the Two Largest Zinc Producing Mines and Mills in the World.

Some of the important items in expenditures and receipts of the famous Empire Mine, for the months of November, December and January, 1905-'06, are \$9,000 paid for labor, \$4,658 for rent to land owners, \$800 for powder and fuse, \$35,000 for dividends. During that time the company has sold \$56,375 worth of lead and zinc.

One Piece or a Car Load—EASTMAN LUMBER COMPANY Dealers in All Kinds of Building Materials.

**E**

**EMPIRE MINING CO.**, Platteville, Wis. City limits. Cap. 500 shares, \$60.00 par. Pres., Fred Krog; Treas., Fritz Hoppe; Vice-Pres., J. T. Wilkinson; Sec., E. C. Krog; Mine Supt., C. A. Loveland, Sr. Directors: Fred Krog, J. T. Wilkinson, A. W. Kopp, Wm. Snowden, Henry Kleinhammer. Zinc and lead. Depth of mine, 173 ft. Has 90 acres leased, 100 ton concentrating mill and two shaft houses. Ore is loaded from mill into C. M. & St. P. Ry. cars. Ore sheets vary from 6 in. to 3 ft. Ore is almost free from pyrites. Has double geared hoist and two engines at shaft. Largest zinc producing mine in the world.

**EDEN MINING CO.**, Cobb, Wis. (P). South. Cap. \$2,500 assemble. Pres., George Billings; Treas., Rudolph Heuer; Sec., Wm. Billings. Directors: J. B. Williams, Henry Heuer, Henry Culver, and Philip Baxter. Will drill on farms of Reynolds, Wm. Hugill and other farms thought to have been jack and lead ranges.

**ETNA MINING CO.**, Benton, Wis. One mile northeast. Cap. \$250,000. Pres., E. T. Malone; Treas., Milton Denny; Sec., Isaac Herr. Directors: E. T. Malone, M. Denny, H. N. Anderson, I. Herr, N. T. Holly, W. B. Keel, J. W. Goodner. Sheet jack having a large breast 40 ft. wide. Depth of mine 90 ft. There are five shafts and 1,000 ft. of tunneling. The Co. is entirely financed by a party of Chicago gentlemen.

**EARL MINING CO.**, Belmont, Wis. Eight and one-half miles northeast. Cap. \$75,000. Pres., W. H. Appleby; Treas., H. Kilen; Sec., W. H. Doyle. Directors: Appleby, Doyle, H. Ames, G. Gugerty and G. Bender. Sheet and disseminated ores. Depth of mine, 65 ft. 25,000 shares sold at \$1.00 per share for the purpose of equipping mine with proper machinery, etc. Have lease on 49 acres.

**EXPANSION MINING CO.**, Platteville, Wis. (P). Dr. Shepherd is Secy. Will drill on land near Blue Mound, Wis.

**EBENEZER MINING CO.**, Livingston, Wis. Two miles south. Cap. \$60,000. Pres., G. J. Biddick; Sec. and Treas., F. W. Stephens. Directors: H. M. Livingston, F. B. Rundell, John Biddick. Zinc. Depth of mine, 80 ft. Are putting on pumps and air drills. Clay bed is 79 ft. Range is a "ten o'clock."

**ECLIPSE**, Platteville, Wis. In city limits. Cap. \$20,000. J. L. Nye, Pres.; J. T. Wilkinson, Vice-Pres.; J. Evans, Secy. and Treas. Has a good showing of ore.

**EURECA**, Dodgeville, Wis. (P) Two and one-half miles east. Pres., J. C. Williams. Lead and zinc. Depth of mine, 90 ft. Three known ranges running through 80 acres.

**EBERLE MINE**, Lancaster, Wis. Cap. \$1,000,000. Zinc ore. On Porter farm. Equipped with mill.

**EUREKA**, Livingston, Wis. (P). A drilling Co. on Geo. Livingston's farm.

**EXCALIBUR MINE**, Platteville, Wis. In city limits. Directors: Nadab Eastman, Pres.; E. R. Friedrich, Vice Pres.; J. Oettker, Sec.; W. H. Doyle, Treas.; R. S. Heer, Robert Wilkinson, H. L. Henning, Geo. Wedge. (Inc.). Have found rich ore in drill holes and will put down shaft.

**EADIE**, Hanover, Ill. (P). Two and one-half miles north. On land owned by W. W. Eadie. Lead ore. Depth of mine, 40 ft. Considerable lead has been raised in this tract of ground in past years. Mostly in north and south crevices and quarterings. This belt is traceable for some distance.

**EASY MONEY**, Mineral Point, Wis. Northwest. Pres., E. Jenkins; Sec., F. W. Philip. Black jack. Depth of mine, 80 ft. Installing machinery.

**EMLER MINING CO.**, Lancaster Wis. Four miles west. Cap. 40 shares, \$25.00. Pres., Robert Draper; Secy., Geo. Angus; Treas., V. L. Showalter. Directors: Sam Emler, Jno. Philback, Theodore Wenzel, R. Draper, V. L. Showalter, Geo. Angus. Running drift into hill with good results. 200 acres under lease.

REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

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Empire Shaft, Platteville, Wis.

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One Piece or a Car Load—EASTMAN LUMBER COMPANY Dealers in All Kinds of Building Materials.

**ENTERPRISE MINE**, Platteville, Wis. In city limits. Cap. \$20,000. Pres., J. W. Murphy; Treas., W. M. Hetherington; Vice-Pres., Frank Rowe; Sec., Clinton De Witt. Directors: J. W. Murphy, Frank Rowe, Joseph Shepherd, W. F. Grindell, Chas. Roscliep, A. B. Fredrich. Zinc will assay before roasting, 45 to 48 per cent. metallic zinc; after roasting from 60 to 62 per cent. Depth of mine, 147 ft. Runs two shifts at mine and three at the roaster. Output averages 15 tons of roasted ore every 24 hours. The richest zinc mine in the district and second largest in the world.

**EMERY MINING CO.**, Hazle Green, Wis. Has 300 ton concentrating mill and roaster.

**EAST DUBUQUE MINING CO.**, East Dubuque, Ill. (P). Company is composed of E. F. Cullen, Bernard Kuhl, U. S. Lewis, Dan Maguire, all of East Dubuque, and Joseph Muser, of Dubuque, Ia. Will operate on John Kuhl property near Galena.

**EAST GALENA MINING CO.**, Galena, Ill. (P). A drilling proposition on the M. Eherler's farm, East Galena.

## F

**FOUR NATIONS**, Dubuque, Ia. One mile southeast, near Center Grove. Treas., Fred Kretschmer; Sec., H. H. Mehlhop; Supt. J. Lockey. Directors: Are Mr. G. Golinvaux and the officers. Lead. Depth of mine, 80 ft. On the Lockey farm. Taking out lead.

**FAIRPLAY MINING & DEVELOPMENT CO.**, Dubuque, Ia. Cap. \$25,000. Pres., J. R. Ghiselin; Treas., Henry Laude; Secy., J. W. Patterson. Directors: Dr. W. Snyder, J. R. Ghiselin, Henry Laude, J. W. Patterson. Lead with trace of zinc. Depth of mine, 62 ft. Have a 43 ft. drift with a 3 to 6 in. sheet of lead. Have lease on 210 acres of excellent mineral land adjoining Fairplay, Wis.

**FOOLISH FORTY MINE**, Kendalltown, Wis. (P).

**FITZPATRICK MINING CO.**, Bucna Vista, Dubuque Co., Ia. North. Incorporated, \$500,000. John M. Bredt, Pres.; Henry Wolter, Vice-Pres.; Jno P. Eckart, Treas.; L. W. Crofoot, Secy. Headquarters Guttenburg, Iowa. 210 acres of land owned by the company. Mine started Oct. 1st, 1904. Raised from that time to Dec. 1st, 1905 200,000 lbs. of lead and 100,000 lbs. of jack ore which averaged 14 per cent. Company has breast 24 ft high by 18 wide of disseminated ore. The jack extends in an east and west drift, 235 ft. at a depth of 150 ft. But 80 feet to go to the oil rock and the main shaft, which has been lowered 10 ft., still carries jack. At this time the company is constructing a 100 ton mill, with Trego roaster and a magnetic separator to finish the product Mr. Bredt is constructing the first gravity mill in this district.

**FOREST CITY MINING CO.**, Lancaster, Wis. Eight miles west. Cap. \$100,000. Directors: M. A. Tome, M. A. Beal, E. H. Keeler, all of Rockford. General office, 201 Ettal street, Rockford, Ill. 300 acres under lease.

**FARY QUEEN MINE**, Shullsburg, Wis. Supt. and owner of mine, Wm. Fary of Leadmine. This mine is located on the Peaslec and Jos. Bell land. At depth of 56 ft. a rich vein of jack was found; the jack is overlaid with cog lead.

**FRONTIER No. 2**, Benton, Wis. In city limits. Cap. \$45,000 Pres., J. H. Billingsley; Treas., J. Croft; Secy., Gus Croft. Sheet jack and lead. Depth of mine 60 ft. Pitches and flats. Stock all subscribed.

**FOX LEAD AND ZINC CO.**, Benton, Wis. Two miles south. Cap. \$40,000. Pres. Edw. G. Longhenry; Secy. and Treas., C. A. Loveland, Jr. Directors: Edw. G. Longhenry, S. A. Altenburg, W. F. Longhenry, E. H. Pitcher and M. Longhenry. Zinc sheets in the flats and pitches. Depth of mine, 140 ft. A mill will be built at once. Drilling is being continued to prove up the many large ranges which cross this 256 acre tract which lays alongside of C. & N. W. Ry.



Pianos and Furniture Packed,  
Moved and Stored by Careful  
and Experienced Men : : :

**Wood of All Kinds  
for Sale**

PHONES:  
IOWA 3133 DUBUQUE 890

**FREIGHT TRANSFER**

## The Log Cabin Buffet

### **CHOP SOOY** **Restaurant**

C. R. DIBBLE, Proprietor

JERRY SHEEHAN, Manager

**630 Main St., Second Floor**

DUBUQUE, IOWA

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### **C. MEYER**

N. W. Cor. Main and 3d Sts.  
DUBUQUE, IOWA

IMPORTED AND  
DOMESTIC

**Wines, Liquors  
and Cigars.**

---

Shell Oysters in Season. Imported Beer and Bass  
Ale on Draught



**FENNIMORE MINING CO.**, Fennimore, Wis. (P). North of city limits. A drilling Co. on Horton farm. Good lead and zinc found at a depth of 100 ft. in first drill hole.

**FOX RIVER VALLEY LEAD AND ZINC DEVELOPMENT CO.**, Galena, Ill. (P). Martin Feehan's land has been leased by Mr. Chandler of Muncie, Ind. and Mr. Mullen of Menominee, Wis.; also have leases on the John Zeal, Wm. Wells and Geo. N. Zeal farms in Vinegar Hill township.

**FRONTIER MINING CO.**, Benton, Wis. One-fourth mile west. Cap. \$35,000. Pres., F. Bremmerman. Zinc and lead sheet. Depth of mine, 90 ft. Five shafts. All show ore at from 40 ft. down.

**FAMOUS**, Livingston, Wis. South. Cap. \$30,000. Pres., Arch E. Rundell; Secy. and Treas., F. W. Stephens. Directors: T. L. Boehm, G. J. Biddick, C. F. Gundlach. Zinc, some lead. They are sinking a shaft down about 45 ft. Depth of mine, 90 ft. Zinc ore found at about 45 ft. level.

**FRANKLIN MINING CO.**, Highland, Wis. North. Cap. \$50,000. Pres., H. Lewis; Treas., H. Lewis; Secy., Abe Lewis. Directors: H. Lewis, A. Lewis, N. H. Snow, and W. A. Jones. Lead and carbonates. Black jack leads undeveloped. Depth of mine 70 to 80 ft.. Mill complete. Boring for water. 6500 ton raw dirt awaiting milling.

**FECHT, JACOB, SR.**, Highland, Wis. (P). One mile east. Pres., Jacob Fecht, Sr. Anticipated black jack and lead. On farm owned by Jacob Fecht, Sr. Shaft not down yet.

**FORCETE MINING CO.**, Cuba City, Wis. (P). Drilling on the Harry Willey farm.

**FT. SUMTER**, Livingston, Wis. (P). A drilling Co. on the Jay Dennis farm.

**FENNIMORE MINING CO.**, Fennimore, Wis. 1 mile north. Cap. \$25,000. Directors: Geo. W. Blanchard, Pres.; C. J. Nilhaus, Sec.; F. E. Rector, Treas.; D. B. Brunson, D. T. Parker, Herman Fosbinder. Lead, zinc and sulphur.

**FOREST CITY MINING CO.**, Platteville and Benton, Wis. Pres., M. A. Love; Treas. and Secy., E. H. Keeler; Supt., E. S. Draper. Trustees: M. A. Love, M. A. Beal, and E. H. Keeler. Lead and zinc. Principal office, Rockford, Ill. At present prospecting with drill at Platteville, Benton and Beetown, Wis.

**FRONTIER MINE**, Scales Mound, Ill. Lead. Prospecting on an old range with very good indications. Is owned by employees of the I. C. Ry.

## G

**GEORGETOWN MINING CO.**, Georgetown, Wis. (P). Company has lease on the Jos. Junnemann, Jr., land, near Dickeyville.

**GRITTY SIX**, Cuba City, Wis. Cap. \$100,000 Pres. and Treas., A. C. V. Elston; Secy., W. H. Ellis. Directors: A. C. V. Elston, S. F. Campbell, E. E. Rogers, O. C. Kemp, W. H. Ellis. Pure sheet zinc and lead ore. The ore body is about seven feet in thickness, 10 to 40 ft. in width and has been prospected north and south for 600 ft. Depth of mine, 100 ft. This mine has large reduction works with capacity of 150 tons of mine rock per every 10 hours. They also have a magnetic separating and roasting plant. The mine and mill is lighted by electricity. The plant is said to be one of the most modern and up-to-date in the Wisconsin zinc district.

**GREAT WESTERN MINING CO.**, Montfort, Wis. (P). One mile west. Pres., John Kidd, Milwaukee; R. S. Turner, Treas.; Sec., J. L. Gardner, Montfort, Wis. Directors: John Kidd, H. S. Bicknell, Janesville, Wis.; John Dewitt, Geo. Hess, R. S. Turner, Thos. Hill, J. L. Gardner. A drilling Co., operating on the Thos. Hill farm.

**GREENE & GOIEB**, Cuba City, Wis. (P). A Milwaukee Co. who have leased the C. E. Byrne, Jos. Bussan and other properties. Have \$50,000 for proving up.



*The J. F. Phillips & Co.*

THE NEW CHURCH GOODS HOUSE  
NO 280 MAIN STREET,



# CANDLES

IN THE BEST QUALITY FOR  
MINING PURPOSES

PACKED IN WOODEN BOXES, 240 CANDLES TO THE CASE

STAR BRAND, 14 oz., \$4.00 per case

" " 12 oz., 3.40 "

BEACON LIGHT, 14 oz., \$3.60 per case

" " 12 oz., 3.15 "

Manufacturers Altars, Pews and Sanctuary Furniture

## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**GILLIAN, WM.**, Cornelia, Wis. (P). Two miles west. Secy. and Treas., F. M. Dyer. Directors: Lewis M. Estabrook, W. H. Beebe, Robt. Young. Lead and zinc ore. The company consists of 20 members.

**GRUBER, Mifflin, Wis. (P).** Leased by Chas. McIlhon, Mineral Point, Wis. Is near the Slack mine and cuttings show a good sheet of black jack.

**GROUND HOG MINE, Cuba City, Wis. (P).** Eight miles west. Pres., Jas. H. Kirkpatrick; Sec. and Treas., F. M. Dyer. Directors: Sherman Smalley, John Donohoo, Wm. Hoffman, On the Ginter farm.

**GALENA ZINC AND LEAD CO.**, Galena, Ill. Two and one-half miles from city. Has lease on 40 acres of land belonging to the King Solomon Mining Co.

**GLANVILLE, Linden, Wis.** One-fourth mile east. Cap. \$70,000. Conrad Weittenhiller, Pres. Directors: J. W. Taylor, Linden; Roy Smelker, Dodgeville; C. H. Constantine, Madison; Levi W. Pollard, Dodgeville. Lead, jack and sulphur. Has good steam hoisting plant and will soon install additional mining machinery.

**GREAT NORTHERN, Platteville, Wis.** Northeast city limits. Pres., F. Krog; Secy., C. A. Loveland. Lead and zinc. The property is equipped with engine, boiler, pump, hoist and the necessary buildings to complete a modern plant. Several sheets of ore from one or two inches thick have been struck. The Co. has ground leased on ahead for half mile.

**GILT EDGE CO.**, Platteville, Wis. (P). East. A drilling Co on the Will Davis farm.

**GOPHER MINING CO.**, Livingston, Wis. (P). Two miles southwest. Cap. \$1200. Pres., D. O. Eustice; Treas., Scott Bunker; Sec., H. M. Livingston. Directors: F. B. Rundell, I. S. C. Washburn. Lead. Leases on Geo. Vipond, Geo. Andrews and Arch Rundell farms. Has 21 stockholders. Has some fine drillings.

**GRANT MINING AND LUMBER CO.**, Main office, 11-12 Plankinton Block, Milwaukee, Wis., branch office, Galena, Ill. Cap. \$500,000. Pres., L. J. Kendall; Vice-Pres. and local manager, R. A. Bratton; Secy. and Treas., O. S. Palmer. Directors: L. J. Kendall, banker, La Moille, Ill.; C. B. Chapman, Atty., Ottawa, Ill.; R. A. Bratton, Galena, Ill.; A. B. Pease, Atty., Chicago, Ill.; O. S. Palmer, attorney, Milwaukee, Wis.; A. B. Mead, real estate, Chicago, Ill.; Ex-Gov. Peck, Milwaukee, Wis. Zinc and lead. Mines three miles from Potosi, Wis. Company owns 65 acres and have leased 45 acres more near Potosi from which over 20,000,000 lbs. of lead have been raised. Now have a solid east and west crevice that runs about 3 in. thick. The company have several drill holes that show good jack at 60 to 140 ft. Depth of mine, 50 ft.

**GROTKIN, Benton, Wis.** One-half mile west. Partnership. Pres., Wm. Haak; Secy. and Treas., C. W. Heyle. Dry bone, lead and jock. Drilling. Makes in pitches and flats.

**GRUNOW MINING CO.**, Mifflin, Wis. West. Cap. 1,500 shares, par value \$10. Pres., Chas. McIlhon; Treas., Calvert Spensley, Mineral Point; Sec., Phil. Allen. Directors: Thos. Bainbridge, Herman Grunow, Chas. Bainbridge. Good quality of lead and zinc—mostly zinc. Depth of mine, 80 ft. Has concentrating plant. The officers are owners of the mine and no stock is for sale. Is on old Penetentiary range. Ore assays 53 to 65 per cent. metallic zinc. Has a working breast 130 ft. wide.

**GOOD HOPE MINING AND DEVELOPMENT CO.**, Benton, Wis. One and three-fourth miles south. Pres., Edw. G. Longhenry; Secy. and Treas., J. T. Runyon. Partnership. Sheet jack and lead. Depth of mine, 125 ft. Extensive drilling is being done to prove up the many ranges which are known to exist on this 40-acre tract. It adjoins the C. & N. W. Ry.

**GOLD COIN MINING CO.**, Linden, Wis. (P). Pres., Rob. Hawke. Zinc—prospecting.

**GRAHAM-STEPHENS MINE**, Platteville, Wis. Four miles west.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

IT'S EASY TO SAY "PURE BEER," BUT

# Banquet Beer

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Really Means Purity. Every Bot-  
tle of it is Backed by a Reputation  
Gained by Many Years of Scientific  
Brewing. The Banquet Label  
Really Means Something ❀ ❀ ❀



Dubuque Brewing & Malting Co.

DUBUQUE, IOWA

## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**GALENA LEAD AND ZINC CO.**, Galena Ill. Four miles from city. Owned by Thos. Gill, W. H. Gill, Witwaukee, Wis.; C. M. Dorr, Madison, Wis.; W. G. Barrett, Galena. Depth of shafts 120 ft. Buildings being remodeled and a modern plant erected. The mine is on the direct range with the Black Jack and shows rich deposits of jack in the sinking.

**GRANT COUNTY MINING CO.**, Platteville, Wis. (P). Has Adams all-steel electric drill and dynamo to run additional drills and light mine. Have air drills.

**GREAT EASTERN**, Mineral Point, Wis. (P). Organized March 15, 1906.

**GALENA LAND & MINING CO.**, Galena, Ill. (P). Owns 417 acres of land just east of city of Galena. R. A. Bratton, local representative, Galena, Ill. Equipped with mill.

### H

**HOSKINS MINING CO.**, Hazel Green, Wis. Two miles southeast. Cap. \$60,000. Pres., Frank Nicholson; Manager, Ralph Root; Secy., J. W. Trick. Lead and zinc. Depth of mine, 72 ft. Largest under-ground workings in district.

**HARVY MINING CO.**, Lancaster, Wis. (P). Just south of city limits. Cap. 20 shares \$25.00 each. Pres., Chas. Harvey; Vice-Pres., F. W. Halferty; Secy. and Treas., Robt. Draper. Directors: Geo. Clemenson, Geo. King, Walter Brennan. Has lease on 260 acres. Drill at work. Some very rich ore has been discovered. Co. has lease on more land, and expect to form another Co.

**HEALEY MINING CO.**, Mineral Point, Wis. (P). One mile out. Pres., A. Potter; Secy. and Treas., C. W. Hutchinson. 58 ft. shaft.

**HAWLEY HOME STAKE**, Platteville, Wis. (P). In city limits Pres., Chas Bunt; Treas., Wm. Enloe. Mine started Feb 5th. Struck rich zinc drillings all way down. Stock sold at \$750 per share Feb. 26th on \$15. assessment. Forty in Co.

**HUGHES**, Mifflin, Wis. (P). Cap. 10 shares, par \$25. Located between the Squirrel and Slack mines.

**HANNIFIN**, Livingston, Wis. (P). A drilling Co. on the Albert Rundell farm.

**HERBST-GRAHAM & CO.** Mine, Dubuque, in city limits of West 14th street. Shaft over 150 ft. deep. This mine in sinking has been a good producer of lead and jack. They have a drift on a north and south, intersecting with an east and west south of the shaft crevice. This is a promising mine.

**HEIZER MINING CO.**, Platteville, Wis. (P). Have commenced drilling on the Fred Heizer farm.

**HAWLEY PROSPECTING CO.**, Platteville, Wis. (P). In city limits. Zinc ore. Has three holes on Bunt addition. Found jack in second and third holes.

**HAMLIN**, Mineral Point, Wis. (P). Two miles southwest. Cap. \$5,000. Co. is composed of J. E. and S. E. Hamlyn, Freeport, Ill., Walter, Charles and Luther Hamlyn, of Mineral Point, Wis. They have a lease of 80 acres of mining land.

**HUGHES, ROBERT**, Arthur, Wis. (P). West. Pres., Ed. Nodolf; Vive-Pres., Robert. Livingston; Secy. and Treas., John Holt. Drilling.

**HARMS MINING CO.**, Platteville, Wis. (P). Directors: M. P. Rindlaub, H. C. Hinners, E. A. Gilliam, Geo. Harms, and R. I. Dugdale. Co. has lease on 240 acres of the George Harms' farm.

**HARKER CO.**, Big Patch, Wis. (P). A drilling Co.

**HARRISON MINING CO.**, Potosi, Wis. (P). Has leases on Tresler and Henry Vannatta farms.

**HAZEL PATCH**, Mineral Point, Wis. West. Cap. \$25,000. Pres., J. W. Flack; D. C. Madden, Treas.; Secy., F. D. Fulton. Directors: Scanlon, Flack, Fulton and Madden. Sheet jack. Depth of mine, 110 ft. Just opening up. Will employ 40 men. Is rich proposition.

SMOKE **TOBACCO** CHEW

BRANDS THAT GIVE THE CONSUMER THE BEST SATISFACTION

Fragrant

Sunset

Home Comfort

**MELLOW SWEET and NEW COMER Fine Cut**

Manufactured by an ABSOLUTELY  
INDEPENDENT Factory

**MYERS, COX & CO.**

DUBUQUE, IOWA

**HOMESITE MINING CO.**, Mineral Point, Wis. North. Cap. \$50,000. Pres., Howe; Treas., Wm. T. Shecker; Sec., Jno. L. Fischer. Directors : Howe, Scherer, Fisher and Otto Schecker. Black jack and lead ore. Depth of mine, 85 ft. Old grounds. Breat 150 ft.

**HIBERNIA LEAD AND ZINC CO.**, Platteville, Wis. In city limits. Cap. \$28,000. Pres., J. W. Murphy; Vice-Pres., Louis Pross; Treas., C. Horstmann; Sec., Frank Pitts. Lead and zinc. Depth of mine, 160 ft. Will put in mill, roaster, and air drills. Have 300 ft. east and west drift and cross-cut, 160 ft. north and south with ore all the way.

**HORSESHOE ZINC CO.**, Potosi, Wis. Two miles from town Cap. \$10,000. Pres., F. Fisher; Treas., W. H. Thomas; Sec., R. I. Dugdale. Directors: F. Hoppe, Wm. Kendall, F. Fisher, W. Ray, W. H. Thomas. Sheet jack as yet undeveloped. Depth of mine, 140 ft. This mine has a fine pumping plant, hoists and running nicely. Working two shifts.

**HAZEL DELL MINING CO.**, Linden, Wis. Drilling.

**HULL-HOLLOW MINING CO.**, Cassville, Wis. (P). Cap. 40 shares, \$50. par each. Pres., E. L. Ishmeal; Vice-Pres., Otto E. Geiger; Treas., G. A. Stevens; Sec., W. H. Fahling. Directors: E. L. Ishmeal, Otto F. Geiger, Walter Klienpell, Wesley Craig, Frank Tebo. Will operate on the Ishmeal, Myer and Patterson lands, of about 400 acres.

**HIGHLAND MINING CO.**, Highland, Wis. North. Cap. \$100,000. Pres., W. M. Kennedy; Secy. and Treas., T. F. Kennedy. Lead and big leads of blende. Depth of mine 85 ft. Working on 300 ft. breast 3 ft. thick. Employ 40 men. 50 ton mill in daily operation. Shipped 4,500,000 lbs. ore June 20 to Nov. 1, 1905.

**HAZEL GREEN MINING CO.**, Hazel Green, Wis. Pres., R. Barrett. Director, C. Spenscley, Mineral Point, Wis.

**HAZEL KIRK**, Hazel Green, Wis. Lead.

**HOARE LEAD & ZINC MINE**, Mineral Point, Wis. (P). Very promising proposition.

**HILL MINING CO.**, Montfort, Wis. (P). Southwest. Pres., David James; Sec. and Treas., Allen Kramer. Directors: Wesley Hill, J. L. Gardner, Ben Wrol, S. Frankland and P. Hill. Has lease on the John Hill farm.

**HUNGRY NIGGER**, Cuba City, Wis. (P). Six miles east on John Heirenstreet farm. Owners: Wm. Sides, M. O. Phillips, Jerry Sullivan, Samuel Leasdale, Jos. Longbotham, P. M. Doyle. Good lead and jack struck at a depth of 18 feet.

## I

**INTERSTATE MINING & MILLING CO.**, Livingston, Wis. (P). Cap. 40 shares at \$100. per share. Pres., Arch Rundell; Vice-Pres., John T. Hughes; Sec., Wm. C. Livingston; Treas., Fred W. Stephens. Directors: John T. Hughes, R. F. Livingston, Arch Rundell, Frank Allen, John Eustice, Sr., Wm. Temby, J. W. Watson. Co. has two leases on 815 acres of land; one in La Fayette Co. and Jo. Daviess Co., Ill., and the other on R. F. Livingston's farm in Grant Co. and Iowa Co., Wis.

**INDEPENDENCE MINING CO.**, Shullsburg, Wis. Northwest. Cap. \$50,000. Pres., T. P. O'Neill; Secy. and Treas., C. Bergener. Zinc ore. Depth of mine, 75 ft. Operating on the Bryan O'Neill farm in Seymour.

**INDEPENDENT**, Cornelia, Wis. (P). One mile south. On Peter John's land. Drift into hill is cross-cutting a jack sheet.

**INDEPENDENT MINING CO.**, Mifflin, Wis. East. Pres., Pierce Nolan; Treas., Chas. Bainbridge; Sec., R. Thomas. Directors: R. F. Livingston, Herman Grunow, John Goldsworthy, John T. Hughes, Chas. Gruber, Chas. Bainbridge. Will operate on the Gruber farm.

**IMHOFF BROS.**, Highland, Wis. (P). Two miles east. Partnership. Pres. and Treas., Wm. Imhoff; Sec., Steve Imhoff. Anticipated black jack and lead. Cleaning up old shaft. Run out by large body of water.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

INVINCIBLE WORK SHOES



E. B. PIEKENBROCK & SONS, DUBUQUE, IOWA



## MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

**IMHOFF & CO., (A.)**, Highland, Wis. East. Pres. and Treas., A. Imhoff; Sec., J. Imhoff. Bird-Eye jack. Depth of mine, 75 ft. Milling proposition.

**IVERSON MINING AND MILLING CO.**, Livingston, Wis. (P). Cap. \$1,250. Pres., Irve Washburn; Vice-Pres., W. W. Andrews; Treas., Fred W. Stephens; Secy., Dr. F. S. Tuffley. Directors: Albert and Herbert Washburn, C. A. Iverson. Have a lease on 381 acres of the Iverson farm. The Co. is composed of 50 members.

**ISBORN**, Dubuque, Iowa. (P). Located near Center Grove. Owned and worked by Chas. Isborn. Using gasoline engine for hoist, gin and pump. Lead.

**IRISH DIGGINGS**, Shullsburg, Wis. East. An old mine. Will put in mill.

**IOWA MINING CO.**, Shullsburg, Wis. Cap. \$50,000, Inc. Walter A. Emeis, Jos. W. McLaughlin, Claude E. Vail.

### J

**JARRETT MINING CO.**, Cuba City, Wis. (P). Pres., Henry Ferge; Vice-Pres., Geo. L. Jarrett; Secy. and Treas., W. T. Holbrook. Directors: Geo. Orput, Henry Ferge, Geo. L. Jarrett, W. A. Holbrook, W. C. Beaseman. Have a good showing of lead in drill hole No. 3, from 102 to 128 feet. Will put in machinery.

**JOSEPH MINING CO.**, Mineral Point, Wis. (P). One mile south-east.

**JOHNS MINE**, Montfort, Wis. Owned and operated by Mineral Point Zinc Works. Sulphur. Shipped 120 tons sulphur in one week. Completely equipped with 35 horse power gasoline engine, compressor, etc. Largest producer of sulphur in the district.

**JACKSON**, Potosi, Wis. (P). Pres., W. H. Thomas; Secy. and Treas., Chas Ragatz. Owns 130 acres of C. M. Jackson homestead. Will do drilling.

**JUG HANDLE**, Benton, Wis. Zinc and lead. Shipped 500 tons of ore in about six months.

**JACK OF DIAMONDS**, Benton, Wis. (P). Have good drilling clear through the Trenton limestone. Assays taken every two feet from 2 to 13 per cent. of zinc down to St. Peter sandstone.

**JOHN C. SPOONER MINING CO.**, Rewey, Wis. (P). Pres., A. V. Wells; Vice-Pres., E. L. Beers; Treas., John R. Holt; Secy., James Watson. Directors: Dave Thomas, Wesley Dobson, E. A. Bailey. Have lease on the H. R. Livingston farm north of Arthur.

**JENKYNSTOWN MINING CO.**, Cuba City, Wis. Pres., Chas. Burroughs; Vice-Pres., Henry Dall; Treas., Chas. Winn. Will operate on the Lawrence farm.

**JUPITER MINING CO.**, Cuba City, Wis. Three miles southwest. Company has lease on 80 acres of the R. Ingram land.

**JENTZ MINING CO.**, Platteville, Wis. (P). West. J. H. Wise, Jr., Pres.; Treas., W. H. Doyle; Secy., Manfred S. Block. Directors: Fred A. Jentz, J. H. Wise, Jr., John H. Steinhoff, M. S. Block, Frank Burg. Will drill on the Fred Jentz's land of 120 acres in the town of Harrison. Is the old Crabtree range.

**JEWELL**, Linden, Wis. (P). One mile west.

**JO DAVIES MINING CO.**, Galena, Ill. (P). A drilling proposition on the James Shannon farm in Rice township.

### K

**KUYKENDALL MINE**, Buena Vista, Iowa. North. From four to five million lbs. of lead raised, including eight to ten cars of dry bone. This mine has been purchased by Mr. Jno. M. Bredt. To this mine belongs 157 acres and operations will be begun by the owner by July 15, 1906.

**KISTLER-TIFFANY CO.**, Platteville, Wis. (P). Drilling on the Quincy farm  $2\frac{1}{2}$  miles southwest. Have found good ore.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

JOHN KILLEEN,  
President

CHAS. E. MOY,  
Superintendent

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Secretary and Treasurer

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DUBUQUE, - - - - IOWA



## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**KANSAS LEAD CO.**, Elizabeth, Ill. Cap. \$600,000. Pres., W. S. O'Rourke; Treas., F. G. Bergen; Sec., E. Ramsdell. Directors: S. P. Nold, W. R. Guild, F. G. Bergen, C. E. Everett, E. Ramsdell, W. S. O'Rourke, Geo. R. Bard. Lead. Depth of mine, 100 ft.

**KENNEDY MINING CO.**, Hazel Green, Wis. Cap. 3,000 shares, par \$100. Pres., Wm. M. Kennedy; Vice-Pres., C. W. McIlhon; Treas., Phil Allen, Jr.; Sec., Calvert Spensley, Mineral Point, Wis. Sheet ore and disseminater ore. Depth of mine, 117 ft. Have found good ore below the glass rock in this mine. Has 100 ton concentrating mill, 30 ton roaster, and up-to-date machinery with air drills and R. R. scales. Owned by four people. Run day and night and employ 40 to 50 men.

**KETTLER MINING CO.**, Platteville, Wis. (P). Pres., J. Kettler; Treas., W. Doyle; Secy., John Wise. Directors: H. Kleinhammer, Henry and John Kettler, John Wise, R. Seeley.

**KEY CITY MINING CO.**, Dubuque, Ia. Pres., J. McFadden; Vice-Pres., J. J. Rowan; Secy. and Treas., Leo Jaeger. Started drilling on Kelley's Bluff, south of Third street.

**KOHINOOR- BLENDE**, Platteville, Wis. (P). Southwest. Cap. \$125,000. Owned by Chas. Kistler, W. N. Tiffany and Beloit, Wis., capitalists. Has a good showing of jack in ten out of twelve holes drilled on the James Hayden farm, and is proved for one-half mile

**KNAPP**, Dubuque, Iowa. On Jas. Longworthy ground. Lead and jack. Depth of mine, 144 ft.

**KNAPP, BRUNSKILL & HARRIMAN**, Dubuque, Iowa. Near Center Grove. Lead and zinc.

**KENT & WATERS MINE**, Highland, Wis. Three-fourth miles south. Owned by J. and L. Wechselberg and others, Loan & Trust Building, Milwaukee. Carbonate of zinc.

**KLAR-PIQUETT**, Platteville, Wis. Secy., Chas Kistler.

**KODATZ MINING CO.**, Mineral Point, Wis., west. Will operate on the Shaaf land.

**KEYSTONE MINING CO.**, Hazel Green, Wis. (P). Pres., Wm. Hardy; Vice-Pres., W. H. Strasser; Secy., Ernest Stadel. A Co. to develop mining land in vicinity of Hazel Green.

**KROG-WEBSTER**, Potosi, Wis. (P). Near British Hollow. Drilling has good showing. Have purchased the Henry Schroeder place at British Hollow.

**KIEFFER MINING CO.**, Mineral Point, Wis. (P). Two and one-half miles west. Pres., J. P. Kieffer, Jr.; Treas., W. D. Brown. Zinc. Strong jack tracings in drill holes.

**KELLY MINE CO.**, Linden, Wis. (P). One mile from town.

**KING SOLOMON MINING CO.**, Galena, Ill. Two and one-half miles from city. Cap. \$85,000. Pres., E. R. Perkins; Treas., F. E. Owens; Secy., Fred Bremmerman. Lead, dry-bone, zinc. Depth of main shaft, 100 ft. Two shafts 60 to 90 ft. Owns 136 acres of mining land.

**KING BEE MINING CO.**, Hazel Green, Wis. Lead and zinc.

**KINGETTER MINING CO.**, Platteville, Wis. Cap. \$25,000. Incorporators: M. S. Sickie, A. W. Kopp and C. A. Loveland, Jr.

**KIDD CO.** (P.) Platteville, Wis. Have lease on the Dall farm.

**KAMM, JOHN**, Rewey, Wis. (P). Directors: C. I. Cushman, Pres.; O. G. Rewey, Treas.; R. Thomas, Sec.; Miss Olive McDermott, Miss Nora O'Dowd, Wm. Temby, Ezra Cushman, John Kamm, O. G. Rewey and C. I. Cushman. A company of 50 shareholders to drill on the John Kamm farm.

## L

**LEADBETTER MINING CO.**, Montfort, Wis. (P). North. 50 shares assessable. Pres., J. E. Doran; Treas., David James; Secy., Wm. Rollins. Directors: Wm. Nichols, Wm. F. Di Vall, W. G. Baxter, Wm. Rollins, T. R. Webster. Have leases on the old Leadbetter range which was rich in lead. Will do drilling.

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Smoker's Articles

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S. A. VAN SAUN

## ENGINES, BOILERS, COMPRESSORS, HOISTERS,—SMEDLEY STEAM PUMP CO.

**LONG MINING CO.**, Lancaster, Wis. (P). Ten miles south. Three miles north of Potosi. Cap. 40 shares at \$25 each. Pres., F. W. Halferty; Vice-Pres., Wm. Kendel; Treas., Ed. Brinkman; Secy., V. L. Showalter, all of Lancaster. Directors: F. W. Halferty, Wm. Kendel, Ed. Brinkman, V. L. Showalter, Albert Bracker, M. McDoual. Has lease on 40 acres. Are on a good mineral range and in good mineral district. Ten men at work cleaning out an old shaft that contained lead ore but was left on account of water. Excellent prospect.

**LANCASTER STAR MINING CO.**, Lancaster, Wis. (P). Four miles west. Cap. 40 shares at \$25.00 each. Pres., Ed. M. Reed; Secy. and Treas., Albert Wedenbeck. Directors: Jno. Reed, Al. Wedenbeck, Jno. Platt, Frank Pink, Jim Graham. 200 acres fine ore bearing land. Drill is at work.

**LANCASTER KLONDIKE MINING CO.**, Lancaster, Wis. Seven miles west. Cap. 40 shares at \$25.00 each. Pres., Sd. M. Lowry; Treas., V. L. Showalter; Secy., H. J. Johnson. Directors: Jno. Dechow, H. Henkel, Robt. Draper, R. N. Trench, T. F. Orton. 80 acres of the best mining land in the district. 7 drill holes show very rich cuttings. This mine is to be incorporated and shaft sunk and machinery put in. Outlook excellent.

**LAMPE AND KROLL**, Montfort, Wis. Six miles northeast. Pres., Geo. Lampe; Sec. and Treas., Frank Kroll. Lead and zinc in good sheet.

**LUCKY HIT**, Shullsburg, Wis. Zinc and lead. Owned by Mr. Friend, Pittsburg, Pa. Has Trego roaster, three large boilers, one large compressor, four drills, dynamo, three steam pumps, two 16 in. cornish pumps, three engines, 100-ton mill.

**LEFFELHOLZ**, Dickeyville, Wis. (P). Four miles southwest. Zinc ore. On Geo. Leffelholz's farm.

**LONGENDYKE**, Cuba City, Wis. (P). West. Lease covers 80 acres of Matt Weber farm. Considerable lead was raised here a few years ago.

**LITTLE JACK MINING CO.**, Cuba City, Wis. (P). East. On Jesh Crawhall farm. Struck some good jack in their shaft.

**LINDEN MINE**, Linden, Wis. On Ry. switch. Is owned by Mineral Point Zinc Co. Has 100-ton concentrating plant with all necessary machinery. Employs 32 men and runs day and night. Has a number of shafts and one incline. All of the work is now being done below the glass rock. This is called breccia and carries a high grade ore.

**LAWRENCE**, Cuba City, Wis. (P). Shares all taken. Waiting for drill.

**LITTLE BOB**, Potosi, Wis. Northeast. Lead ore. Owned by Horner Bros.

**LONE PINE MINING CO.**, Platteville, Wis. (P). Disseminated ore. On the Wilson and Grey land in the town of Harrison.

**LINCOLN MINING CO.**, Livingston, Wis. (P). Cap. 40 shares, par value \$40.00. Has lease on W. T. Skafe land of 120 acres. There is 65 ft. shaft on this property in which lead and jack were found. Will buy a drill.

**LITTLE DAD**, Hazel Green, Wis. When down 60 ft. showed three 3-in. sheets and one 4-in. sheet of ore. Will install 8-in. pump.

**LITTLE BIG HIT MINE**, Hazel Green, Wis. (P). C. Lightcap, Supt. Has good showing of jack and lead at the depth of 100 ft.

**LINDEN AND MIFFLIN MINING CO.**, Linden, Wis. South. Zinc ore. Owned by New Jersey Lead and Zinc Mining Co.

**LANCASTER EXPLORATION MINING CO.**, Lancaster, Wis. One mile west of Knapp mine at Kendalltown. Secy., A. W. Hastings, Lancaster, Wis. Are putting in engine, pump and hoist.

**LILLY MINING CO.**, Mineral Point, Wis. North. Partnership. Pres., Sid Guttentstein. Black Jack and lead. Disseminated sheet 3 to 4 ft. thick. Depth of mine, 70 ft. Will build mill. Owned by Guttentstein Bros., of Milwaukee.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

We are the largest operators in Wisconsin Lead and Zinc properties. Own several thousand acres of best selected mineral tracts throughout the district. Correspondence solicited from parties desiring to purchase, lease or buy stock in dividend paying mines. Bank references furnished : : : :

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**LAFAYETTE LAND AND MINING CO.**, Shullsburg, Wis. Cap. \$500,000. Pres., Don Farnsworth; Secy. and Treas., A. Mathews. Directors: A. Mathews, Don Farnsworth, J. N. Humphrey, Frank C. Stover, Fred Mansfield, F. J. Harwood, Frank L. Bills. This Co. owns in fee 1925 acres of valuable mineral land which they will sell, lease or develop.

**LONG RANGE MINING CO.**, Potosi, Wis. One-half mile from Potosi. Pres. O. W. Seaton; Treas., F. H. Martin; Secy., C. J. Ragatz. Directors: O. W. Seaton, F. H. Martin, Dr. J. E. McGovern, W. H. Thomas. Lead and jack. Depth of mine, 200 ft. Four drill holes all show lead and jack. Very fine prospect.

**LUCKY SEVEN**, Mineral Point, Wis. Southwest. Partnership. Directors: Spensley, Jones, McIlhon, Lenahan, Mulhairn. Black jack and sulphur. Depth of mine, 65 ft. A milling proposition.

**LIVERPOOL**, Mineral Point, Wis. Southeast. Cap. \$100,000. Pres., Farnsworth; Secy. and Treas., W. F. Palmer. Directors: Palmer, Farnsworth, Schindler. Zinc and lead. Depth of mine, 90 ft. Working 10 men on 4 to 8 in. sheet. Will build a mill in March, 1906.

**LAUFENBERG**, Highland, Wis. East. Pres., Geo. Laufenberg; Secy. and Treas., M. Eberle. Carbonates. Depth of mine, 60 ft. Partnership. Good sheet of brown bone.

**LEWIS AND MILLER**, Highland, Wis. Two miles west. Partnership. Pres., H. Lewis; Treas., Wm. Miller; Sec., Abe Lewis. Directors, same. Carbonates and lead. Depth of mine, 65 feet.

**LIVINGSTON MINING CO.**, Livingston, Wis. (P). Pres. J. W. Livingston; Vice-Pres., Wm. Drinkwater; Secy. and Treas., Phebe Andrews. Directors: Arch Rundell, Jud Andrews, Jim Drinkwater. A drilling Co. on the Geo. Andrews farm. Have 160 acres.

**LAW HAZEL MINING CO.** (P). Hazel Green, Wis. A drilling company.

**LITTLE BENNIE**, Benton, Wis. Two and one-half miles south. Not incorporated. Pres., T. A. McCarthy; Secy. and Treas., M. E. Coltman. Lead and jack—sheet formation. This adjoins the Hoskins, Kennedy and Mills mines on the east. Depth of mine, 56 ft. 240 acres in lease. Six well defined ranges.

**LOONEY**, Benton, Wis. (P). One-half mile southeast. Cap. \$5,000. Pres., C. Spensley; Treas., Phil. Allen. Directors: N. H. Snow, C. Spensley, Judge McIlhon, Phil. Allen, W. A. Jones. Depth of mine, 160 ft. All under the glass rock.

**LA FOLLETTE MINING CO.**, Livingston, Wis. 4 miles south. Cap. \$75,000. Pres., Hon. D. McGregor; Vice-Pres., J. H. Webb; Sec., E. B. Smith; Treas., W. H. Doyle. Directors: J. G. Kestol, mayor, Whitewater, Wis.; J. A. Peacock, Regent S. N. S., Oconomowoc, Wis.; E. F. Nelson, member Assembly, Elmhurst, Wis.; Duncan McGregor, member Assembly, Platteville, Wis.; E. B. Smith, ex-Mayor, Platteville, Wis.; J. H. Webb, Platteville; L. Rundell, Arthur. Dry bone, lead and zinc. Officers' address is at Platteville, Wis. Has four shafts, 6-in. sheet dry bone, 1 to 4-in. sheet lead, three sheets jack and 14-in. disseminated ores, 6-in. pump.

**LITTLE DICK MINING CO.**, two miles north of Cuba City, Wis. (P) (near the Wicklow). Pres., C. E. Perry, Vice-Pres., Harry Dreyer; Sec., F. F. Coon; Treas., F. C. Binneweis. Directors: C. E. Perry, Harry Dreyer, F. F. Coon, F. C. Binneweis, Geo. L. Jarrett, Dr. Oelrich. Zinc in drill hole in levels ranging from 53 to 240 feet. Shaft will be sunk and modern buildings erected and modern machinery installed.

**LADIES' MINING CO.**, Montfort, Wis., (P). Pres., Mrs. J. H. Frankland; Vice-Pres., Mrs. A. R. Manley; Treas., Mrs. Geo. Brown; Sec., Miss Jennie Frankland. Directors: Mesdames W. G. Baxter, J. M. Rosenaw, F. F. Parish, T. R. Webster, E. Bozell, W. R. Rollins, Thos Raine, and Miss Mabel McDonald. Company is composed of fifty ladies; they have lease on the Thos Raine farm of 160 acres near Mifflin.

## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**LUTHER-KABAT & KLEE**, Dubuque, Ia., (P). Three miles from Dubuque near Center Grove on Shields' lot. Clearing up shaft which yielded big lead some twenty-five years ago.

**LUCKY DIME**, Warren, Ill. One and three-fourths miles south. Lead ore. Depth of shaft, 80 feet. Old shaft owned by Latier, Beck and Towne of Waterloo, Iowa.

**LITTLE CORPORAL**, Galena, Ill. Three miles west. Owned by following Galena men: R. Barrett, David Sheenan, Jno. Ross, Dr. A. Wierich. Depth of shaft 140 ft. Thoroughly equipped with 100 ton mill, air drills, pumps and all modern machinery. Fine quality jack. Drillings now being made. Work to be renewed in old body in short time.

**LUMBER JACK**. In city limits, Dubuque, Iowa. Pres., Jos. Ott. Directors: Jos. Ott. Directors: Jos. Ott, P. Keneally, Jas. Taking out good quantities of fine block mineral.

**LITTLE JAP LEAD AND ZINC MINING CO.**, Platteville, Wis. Cap. \$100,000, par value \$1.00 per share. Inc. A. R. McOmber, M. Petty, E. S. Woodworth.

### M

**McKINLAY MINE**. One mile east of Dodgeville, Wis. Cap. \$62,500. Pres., A. D. Conover; Sec. and Treas., R. Carter. Directors: Conover, Carter, McKinlay, F. K. Conover. Zinc ore. Depth of mine 100 ft. Ten inch sheet solid. Option on land \$150,000. Stock sold by voluntary subscription.

**MERIDIAN MINING CO.**, Lancaster Wis. (P). A drilling company operating southwest of the village of Livingston.

**MONARCH**, in city limits Platteville, Wis. (P). On Mrs. S. Rountree's land. Showing of jack in first drill hole. Lease secured by J. L. Nye and T. L. Cleary.

**MORNING GLORY CO.**, Beetown, Wis. (P). On Frank Smith's farm. Indications of a deposit of lead and zinc.

**MERRY CHRISTMAS**, Mineral Point, Wis. (P).

**MITCHELL, JNO. & THOS.**, Cuba City, Wis. (P). On the farm occupied by Jas. Minenick, Jr. Lead was taken out here some years ago.

**MOUND CITY MINING CO.**, Platteville, Wis. (P). North of city limits. Have jack in three holes out of twelve on Perry land adjoining the Trego mine.

**MIDWAY MINING CO.**, Cuba City, Wis. Cap. \$80,000. Pres., Ben E. Waite; Treas., I. E. Wright; Sec., W. H. Ellis. Directors: Ben E. Waite, I. E. Wright, S. I. Hale, W. H. Ellis and B. F. Huntington. Sheet zinc formation discovered by drilling. Five drill holes showing a depth of from 18 to 30 ft. Depth of mine 160 ft. A shaft is now just being started. The Midway is said by all operators in the district to be the richest drillings yet shown in the district.

**MIFFLIN & LINDEN MINING CO.**, three and one-half miles southeast of Livingston, Wis. Pres., W. A. Jones. Mine is owned by the Mineral Point Zinc Co. Zinc and lead, good quality. Depth of mine 85 ft. Have 50 ton mill. Employ 40 men. Ship from 120 to 150 tons per month. Has incline shaft 400 ft. long.

**MONARCH ZINC MINES**, one mile northeast of Benton, Wis. Cap. \$150,000. Pres., J. N. Conard; Treas., J. A. Sutherland; Sec., A. B. Keel. Directors: J. N. Conard, Samuel Parliament, J. A. Sutherland, W. B. Keel, H. N. Anderson. Sheet jack which is nearly free from sulphur. Shaft is being sunk. This company is entirely financed by above parties of Oak Park and Highland, Park, Ill. There is no stock for sale.

**MILLER MINE**, One and one-half miles northwest of Livingston, Wis. (P). Cap. \$1,000. Pres., D. O. Eustice; Sec. and Treas., H. M. Livingston. Directors: H. M. Livingston, John Miller, F. B. Rundell. Have some fine drillings.

**McQUILLAN HILL**, Dubuque, Ia. (P). Hold leases on property known as Morgan addition owned by M. O. Hardie, H. W. Scott, H. B. Gniffke. Will begin developing in spring 1906.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.



## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**MUSCALUNGE PROSPECTING AND MINING CO.**, Cassville, Wis. (P). Pres., J. A. Whipple, M. D.; Vice-Pres., H. G. Kuenster; Treas., C. J. Kuenster; Sec., H. A. Feicker, M. D. Lead and zinc. Drills have found good milling jack on the Pfeffer place. Control 360 acres on Muscalunge and Bee Tree mineral ranges.

**MONTFORT MINING CO.**, Montfort, Wis. Cap \$2,500. Pres., John Fieldhouse; Vice-Pres., Art Vine; Treas., J. T. Biddick; Sec., R. M. Orchard; Supt. of Mine, Will Frankland. Directors. Art Vine, T. R. Webster, E. A. Biddick, Montfort, Wis.; R. B. McIntyre, Muscoda, Wis.; W. W. Kerr, Indianapolis, Ind. Sulphur, jack and lead. On the Johnson land, two shafts; has engine, pump, hoist, buildings, &c.

**MANN MINING CO.**, four miles from Galena, Ill. (On Tompkins' road) Members of the company are H. L. Heer, Jos. Gladden, H. A. Guffey, Thos Harney. Lead. Galena Iron Works Co. will install pumps and mining apparatus.

**MILWAUKEE HIGHLAND MINE**, one mile south of Highland, Wis. Cap. \$50,000. Pres., Ludwig Wechselberg; Sec and Treas., Platt Whitman. Directors: Kent, Waters, Whitman, Wechselberg. Three ft. sheet disseminated black jack—proposition good. Depth of mine 85 ft. No milling ore and shipping 125 tons high grade blende to market.

**MILLS MINING AND REDUCTION CO.**, two miles southeast of Hazel Green, Wis. Cap. \$100,000. Pres., Frank Nicholson, Manager, Ralph Root; Sec., J. W. Trick. Zinc and lead. Depth of mine 193 ft. Now erecting largest and most complete 300 ton mill and roasting plant in the district. Control five properties.

**MINERAL POINT & CALAMINE MINING CO.**, Calamine, Wis. (P). This company will operate near Calamine.

**MEEKER'S GROVE MINING CO.**, Platteville, Wis. Cap. \$20,000, Inc. C. A. Loveland, Jr., G. F. Meyer, W. F. Longhenry.

**MENCERE COMPANY**, Shullsburg, Wis. (P). Chicago and Shullsburg parties have lease on the McNulty and Homestead properties.

**MURPHY MINING CO.**, two miles northwest of Dubuque, Iowa. Owned by John Murphy, Dubuque, Ia. Lead ore. A rich vein discovered on the old Sloan range Feb. 2, 1906. Depth of mine 80 ft.

**MORRISON MINING CO.**, Shullsburg, Wis. Lead and zinc. On Dewey range and Owen Corey land. They have a shaft.

**MINERAL POINT ZINC CO.**, near city limits, Montfort, Wis. Sulphur. Depth of mine 40 ft. The sheets of sulphur vary in thickness from 5 to 20 inches. On Jonathan John's farm.

**MUTUAL PROSPECTING CO.**, Lancaster, Wis. Cap. 40 shares \$25. Six miles north of Lancaster, Wis. Pres., A. G. Brander; Treas., F. W. Ruka; Sec., L. B. Willis. Directors: A. G. Brander, L. B. Willis, Robert Hare, A. J. Blaine, Jno. Lambert. Drill to work with good results. 1100 acres under lease.

**MURPHY MINE**, Hazel Green, Wis. East.

**MT. HOPE MINING CO.**, Benton, Wis. (P). Will operate on the Joe Weigle farm.

**MINERAL POINT MINING CO.**, Mineral Point, Wis. Pres., W. S. Ross; E. Y. Hutchinson, Treas.; Sec., H. S. Weil. Directors: Spenseley, Hoare, Heathcock, Crum, Ross. Are prospecting.

**MILLBRIG ZINC CO.**, Millbrig, Jo Daviess Co., Ill. Owned by A. Montgomery Ward, of Chicago, and John M. Bredt of Chicago. 278 acres purchased for \$24,000. The mine will be operated by them and is a private corporation. Mr. John M. Bredt has charge of the work.

**McDERMOTT CO.**, Mineral Point, Wis. Will develop; one of the best leases in the district.

**\$100 WILL BUY "Gritty Six"**

**61 SHARES**

**IF YOU HURRY**

This is **A MINE** and is in full operation turning out 12 to 18 ton concentrates every day.

I can place you and four more in a good drilling proposition at \$10 each

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KEEPS YOUR HANDS SMOOTH,  
CLEAN AND WHITE

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

### N

**NEW ERA MINING CO.**, Dubuque, Ia. Cap. \$30,000. Directors: Pres., Thos. Watters; Treas., W. S. Dennis; Sec., J. W. Halpin; Thos. Watters, John W. Halpin, Wm. L. Duggan, W. S. Dennis, F. M. Cota. Mine located on Ahern property. Property formerly the richest lead bearing mine in Dubuque. Millions of pounds of ore were taken out but water drove out the operators. Mineral bearing crevices run across land.

**NEW DEAL (OR HOSKINS)**, Benton, Wis. (P). Owned by F. Nicholson with exception of two shares.

**NIP AND TUCK**, Cassville, Wis. (P). Will do drilling on the Nip.

**NAGEL MINING CO.**, Montfort, Wis. (P). Pres., A. H. DeLong; Vice-Pres., Edward Evans; Treas., Allen Kramer; Sec., J. L. Tucker. Directors: Albert Richgels, J. J. Quick, M. E. Townsend, Walter Nagel, F. W. Fieldhouse.

**NIGGER TOM RANGE**, between Asbury and Durango, Ia. Owners of mine are Tim Gilloon, Pat Rooney, Pete Wieland, Geo. Fencil. Have struck very rich lead ore.

**NEW CALIFORNIA MINING CO.**, fifteen miles east of Lancaster, Wis. Cap. 50 shares \$25.00 each. Pres., Delos Edwards; Treas., M. C. Edwards; Sec., Dr. C. S. Moore. Directors: Delos Edwards, M. C. Edwards, Dr. C. S. Moore, F. Bidwell, Bill Kise. 100 acres fine mineral land with drills just beginning work. In a promising field. Main office at Lancaster, Wis. Mine five miles west of Livingston, Wis.

**NATIONAL LEAD AND ZINC CO.**, Benton, Wis. Cap. \$100,000, \$1.00 per share, Inc. S. V. Davidov, Chas. H. Hamilton, Herbert R. Johnson.

### O

**OATES-MILLS MINE**, Hazel Green, Wis., one-half mile west. Have some fine lead.

**OLD GLORY MINING CO.**, Shullsburg, Wis. (P). Pres., Ernest Steffens; Sec., John Piquett. Will operate on land near the Platteville-Shullsburg Co.

**OXNEM & OWENS MINE**, Dodgeville, Wis. Cap. 30,000 shares, par value \$1.00 each. Owned by Milwaukee, Hudson and Dodgeville parties. Zinc, lead and dry bone. Depth of mine, 70 ft. Near the Snowball mine.

**ONLY WONN**, Cuba City, Wis. (P). Has lease on Mrs. Samuel Stephens' farm. Shaft is down 71 ft. with good showing of lead and jack.

**OAK GROVE MINING CO.**, five miles west of Montfort, Wis. (P). Fifty members assessable. Pres., John Droles, Vice-Pres., Wm. Bowers; Treas., T. R. Webster; Sec., L. H. Stevens. Directors: M. E. Townsend, Chris. Neuroth, James O'Flarity, F. Bowden, J. W. Jones. Has 700 acres leased near Oak Grove. Will start drilling.

**OLD CAPITOL LEAD & ZINC CO.**, ten miles northwest of Cuba City, Wis. Pres., J. J. McGovern; Treas., F. R. Keuhl; Sec., F. E. Wickmann. Drilling prospect.

**O. K. MINE**, northeast of Mifflin, Wis. Cap. \$50,000. Pres., Pierce Nolen; Treas., J. W. Bainbridge; Sec., R. Thomas. Directors: Herman Grunow, John Goldsworthy, J. T. Hughes, C. Bainbridge, D. R. Livingston, C. Gruber. Zinc ore, very good by drilling. Depth of mine 70 ft. This mine is now being capitalized for \$50,000 and company getting ready for sinking shaft, outlook good for a paying mine. Surrounded by good mines.

**ORTSCHIED BROS.**, east of Galena, Ill. Mining for lead on Orscheid farm. Depth of mine 60 ft.

**O'NEIL**, Shullsburg, Wis. Near the Lucky Hit. Zinc ore. Owned by O'Neil Bros. Will put up a mill.

**ODYNE CO.**, in city limits, Platteville, Wis. (P). Cap. \$60,000. Company has purchased the old ice house property.

## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**ORTHORVILLE MINING CO.**, one-half mile from depot, Shullsburg, Wis. Mine owned by Dr. H. R. Anderson, O. A. Peterson, Orfordsville, Wis. Mine was operated fifty years ago, but work was suspended then on account of water.

**OLLIE BELL MINING CO.**, new diggings, Lafayette Co., Wis., half a mile south of the Ida and Blende mines. The present company have sunk a shaft 186 ft. in the hill. It is the deepest shaft in this mining region. A very thick sheet of "jack" of fine quality under the glass rock at the bottom of this shaft. This mine is equipped with steam boiler and pump and has one of the best plants of any mine in the mining region.

**OLD SETTLERS' MINING CO.**, Platteville, Wis. Pres., Arch Hoosier; Sec. and Treas., Frank Young. Drilling prospect.

### P

**POLLARD**, east of Linden, Wis. Pres., Levi Pollard. Zinc ore.

**PHOENIX**, four miles southwest of Platteville, Wis. Mine discovered and worked forty years ago. Drift run 125 feet. Several shafts sunk on both sides of the tunnel shows very good jack. In driving tunnel a six inch bed of carbonate of zinc (dry bone) was passed through, but its extent is not known. The mine is now controlled by a company of ten stockholders, with Joseph Thomas, of Big Patch, President.

**PEERLESS MINING CO.**, Platteville, Wis. (P). Have leases on the R. A. Auston, Harry Beetham and Henry Kasper farms in Lancaster township.

**PENITENTIARY**, Mifflin, Wis. (P). Owned by Nolan, Cushmar & Co., near Mifflin. Supposed to be on old Penitentiary range.

**PLATTEVILLE-LINDEN CO.**, one-fourth mile west of Linden, Wis. (P). On Ross range. Zinc. Drill cuttings for 15 inches were pure jack of good quality.

**PETERSONS**, Benton, Wis. On the Dans land in town of New Diggings. 200 acres owned by J. H. C. Peterson's sons of Davenport, Iowa. Drill holes show jack in every hole. Was worked for lead in early days.

**PLATTEVILLE-SHULLSBURG LEAD & ZINC CO.**, four miles west Shullsburg, Wis. (P). This company has lease on 16 acres of the C. J. Meloy farm where they are drilling. Sluggings show good quality rosin jack.

**PEACOCK MINING CO.**, Big Patch, Wis. (P). Struck lead in first drill hole.

**PITTSBURG LEAD AND ZINC CO.**, Cuba City, Wis. Pres., Thomas Kennedy. Are putting in 80 horse power boiler, double cylinder geared hoist, steam head pump. This mine adjoins the Roosevelt.

**POTOSI MINING & MILLING CO.**, one-half mile from Potosi, Wis. Cap. \$70,000. Pres., J. J. Williams; Treas., W. H. Thomas; Sec., H. C. Orrick. Directors: J. J. Williams, H. C. Orrick, W. H. Hunt, Max Sickles, T. F. Orton, W. H. Thomas. Zinc. 35 ft. body of disseminated ore now looking good. Depth of mine 100 ft. This is one of the best mines in the Potosi district and promises to be a world beater. Four drill holes, jack in every one.

**PRESTON POINT LEAD AND ZINC MINING CO.**, British Hollow, one and one-half miles from Potosi, Wis. Cap. \$100,000. Pres., Merrett D. Hoff, St. Paul, Minn.; Vice-Pres. and General Manager, P. J. Blindert, Potosi; Sec. and Treas., John C. Lott, Milwaukee, Wis. Zinc and Lead. Depth of mine 100 feet. Mine in good condition. Looks very promising. Stock all sold and commanding premium. About to erect mill. Lumber and material already on ground.

**PEACOCK MINING CO.**, southwest of Mifflin, Wis. Cap. \$50,000. Pres., W. G. Hales; Sec. and Treas., A. F. Bishop. Directors: Hales, Hutchinson, Jenkins, Hughes and Brewer. Zinc Prospecting. Joins the Slack mines.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

## ENGINES, BOILERS, COMPRESSORS, HOISTERS,—SMEDLEY STEAM PUMP CO.

**PLATTEVILLE & NORTH MOUND MINING CO.**, Platteville, Wis. (P). Pres., Jas. Dolan; Vice-Pres., J. D. Harms; Sec. and Treas., Chas. Bunt. Directors: John D. Harms, L. A. Harms, F. Steinhoff, J. T. Hughes, Jas. Dolan. Company has leases on several hundred acres two and one-half miles south of Rewey.

**PIGEON BLACK JACK MINING CO.**, two and one-half miles west of Lancaster, Wis. Cap. 10 shares \$100 each. Pres., Louis Weber; Treas., H. S. Rhodes; Sec., James Webb. Directors: Louis Weber, Thos. Webb, James Webb, H. S. Rhodes, T. F. Orton. 197 acres of good mineral ground on the old Pigeon range. One drill hole down with good results. This land lies along beside the Pigeon Mining Co. and is owned and operated by same parties that discovered the famous Pigeon mine.

**PIGEON MINING CO.**, two and one-half miles west of Lancaster, Wis. Cap. \$60,000. Pres., Louis Weber; Treas., H. S. Rhodes; Sec., James Webb. Directors: Louis Weber, H. S. Rhodes, James Webb, Thos. Webb, T. F. Orton. Forty acres of good mineral land on the old Pigeon ranges. Seven drill holes down, good ore was struck in each hole. Last two were exceptionally good. This company will incorporate. Papers have been sent in and when incorporated will be known as the Pigeon Mining Co. Good safe place to invest and near town.

**PIGEON ENTERPRISE MINING CO.**, three miles west of Lancaster, Wis. Cap. 60 shares at \$25.00 each. Pres., Matt Flesch; Treas., T. F. Orton; Sec. Leo Misenberg. Directors: Matt Flesch, T. F. Orton, Leo Misenberg, John Pink, Sr., John Pink, Jr., John Ertz, H. S. Rhodes. Eighty acres of good mineral land on Pigeon ranges with drills to work. This adjoins the Pigeon Mining Co. property where one of the richest strikes of the district was made.

**PROSPERITY MINING CO.**, Platteville, Wis. In city. Drilling on Hinners' property.

**PLATTEVILLE-LIVINGSTON CO.**, Livingston, Wis. (P). Pres., Fred Thiede; Sec., Manfred Block, Platteville, Wis. Will operate on the H. R. Livingston farm.

**PLATTE ZINC MINING CO.**, Platteville, Wis. Cap. \$300,000. Pres., F. Trego; Sec., Charles Loveland, Platteville, Wis. Lead and Zinc. Depth of mine 145 ft. 200 ton concentrating mill. Has veins of zinc from 6 to 8 inches up to 3 ft. at the 145 ft. level. Assays from 58 to 59 per cent. metallic zinc when roasted. Has fully equipped plant with modern machinery.

**PLUM CREEK MINING CO.**, Dubuque, Ia., Cap. \$50,000. Pres., A. D. Craine; Vice-Pres., A. L. Dennis; Sec. and Treas., A. C. Chappell; Consulting Engineer, J. H. Vandenberg. The company owns in total 80 acres of land and has under operation of lease 1,500 acres of land, steam and gasoline engines and pumping station and complete compliment of mining apparatus are installed. Property contains six shafts averaging depth of 50 feet, 800 feet underground workings. Character of ores cube galena lead and zinc and dry bone.

**PRIDE OF THE JUNGLES**, Benton, Wis. Are putting in new hoister.

**PATRICK HENRY LEAD & ZINC CO.**, Cuba City, Wis. (P). Owned by a Duluth company.

**PRESTON MINING CO.**, Fennimore, Wis. (P). Geo. W. Blanchard, Pres.; I. S. E. Washburn, V. Pres., Montfort, Wis.; A. G. Hinn, Secy.; Jos. Stephens, Treas. A drilling company of 50 members to operate at Preston Station, where it has leased 200 acres of Herman Fosbinder.

**PARRY MINING CO.**, Dodgeville, Wis. (P). Owned by Madison parties. Are cleaning out old shafts on the Ed. Webster farm east of city.

**"PRINCE HENRY" MINING CO.**, Galena, Ill. (P). A prospect on the James Vincent farm 3 miles from Galena, in East Galena township.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

J. W. WITTMER



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CAPITAL, \$200,000  
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## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

**PLUM-CREEK MINING CO.**, Dubuque, Ia. Cap. stock \$50,000, divided into shares of one dollar each. Until the annual meeting to be held on the first Tuesday of February, 1907, the board of directors shall comprise the following: A. L. Dennis, E. E. Dennis, A. D. Crain, A. H. David, A. R. Chappell, J. H. Vanderberge. A. Crain shall act as president and J. H. Vanderberge, vice president, and A. R. Chappell as secretary and treasurer.

### Q

**QUEEN MINING CO.**, Elizabeth, Ill. Cap. \$100,000. Has 200 ton mill.

### R

**ROOSEVELT**, Cuba City, Wis. Cap. \$60,000. Twelve original stockholders as follows: S. I. Stein, J. C. Robbins, L. R. Caughey, Belmont, Wis.; Sen. H. C. Martin, Geo. F. West, David Schreiter, C. C. Bennett, Darlington, Wis.; J. G. James, Jos. Longbotham, Thos Mitchell, Theodore Morehouse, Donohoo, Splinter & Co., Cuba City. Zinc ore. Has Ingersoll-Rand compressor plant, Trego roaster, 50-ton concentrating mill and other modern improvements. Considered one of the best mines in the district.

**RISING SUN LEAD & ZINC CO.**, east of Dodgeville, Wis. Cap. \$150,000. Pres., N. Hustung; Treas., J. N. Brown; Sec. Wetterhall. Directors: Hustung, Rosenheimer, Wetterhall, Brown, Warr, Peacock, Peterson, Forsythe, Guillame. Lead, zinc, carbonates. Ore pure. Dry mines. Big lead proposition.

**ROBERT & KICKAPOO**, northwest of Linden, Wis. Cap. \$60,000. Pres., Thos. Hicks. Lead and zinc. Depth of mine 75 ft. Being developed. Machinery installed.

**ROSS MINE**, east of Linden, Wis. Cap. \$60,000. Pres. and Treas., Wm. Ross; Sec., Sam Ross. Zinc exclusively. Depth of mine 86 ft. One of the best mines in the district.

**ROBSON MINING CO.**, in city limits Benton, Wis. Cap. \$35,000. Pres., F. Bremmerman; Treas., J. Bingsley; Sec., Wm. Bingsley. Lead and zinc. Depth of mine 64 ft. Steam pump and hoist. Stock all subscribed.

**ROSS, (JOHN) MINING CO.**, southeast of Mineral Point, Wis. Cap. \$25,000. Pres., W. H. Toay; Treas. and Sec., G. S. Huxtable. Black jack, lead and dry bone. Depth of mine 80 ft. Old mine; rich proposition. Employ four men.

**ROBSON**, one mile northeast of Benton, Wis. Co-operative Co. Pres., Will Robson; Sec. and Treas., C. R. Buchan. Bone and jack—pitches and flats. Depth of mine 60 ft. Sheet ore. Needs no milling.

**RIVERSIDE MINING CO.**, Elizabeth, Ill. Adjoining village. Cap. \$500,000. Par value \$1.00 each. Pres., Louis Sorensen Maywood, Ill.; Vice-Pres., Fred Miller, South Chicago, Ill.; Treas., F. B. Davies, Chicago, Ill.; Sec., G. E. Pottinger, Chicago, Ill. Directors: F. M. Klingshagen, Chicago, Ill., C. Randaier, Maywood, Ill., C. G. Ballentine, Rockford, Ill., H. M. Reed, South Chicago, Ill. Office 86 Washington street, Chicago, Ill. Cog ore in ochre clay and sand. Two shafts each 135 feet deep, both in ore. Have a 300 ft. tunnel and shafts showing a series of parallel east-west crevices, and cut at frequent intervals by north and south crevices; ore being deposited in all the crevices. Has everything in machinery line.

**RANDALL FARM MINING CO.**, Dubuque, Ia. (P). Cap. \$10,000. The company will operate on the Golf Club grounds and will begin work as soon as drills which have been ordered can be put in position for operation.

**ROONEY & SWIFT**, two miles east of Benton, Wis. Pres., J. V. Swift; Treas., F. Rooney; Sec., J. V. Swift. Private company. Sheet jack, dry bone and lead. Depth of mine 150 ft. Worked by tunnel. This mine has been worked continuously since 1861 and paying dividends yet.

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WE CARRY IN OUR HOTEL AND BAR GOODS DEPARTMENTS, THE MOST COMPLETE LINES ADAPTED TO THE WANTS OF HOTELS, RESTAURANTS, RAILROAD EATING HOUSES AND SALOON BUSINESS. CONTRACTS FOR LARGE OUTFITS OR SMALL ORDERS WILL RECEIVE OUR PROMPT ATTENTION, AND BUYERS HAVE THE ADVANTAGE OF OUR VERY COMPLETE STOCK AND BOTTOM PRICES

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# To the Dairy Farmer: WE BUY CREAM

Within a radius of 150 miles of Dubuque, shipped on railroads by baggage, and we always pay the highest market price. If you are making your own butter, we can save not only the labor and trouble of making it, but about 5c a pound on every pound of butter fat you produce. Everything new and up-to-date. The old methods done away with. Full Information given on application. Shipping tags and seals sent free - - - -

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**ROYCE-FROST CO.**, on Hill street, Dubuque, Ia. Cap. \$10,000. Pres., P. Royce; Sec. and Treas., G. Frost. Lead and dry bone. Level with crevice 550 ft. This mine is producing a rich body of dry bone and is paying handsome dividends.

**ROYAL CO.**, Platteville, Wis. (P). A drilling company on Hell's Point. Rich sluggings are being brought to the surface.

**RODHAMS DIGGINGS**, (at Stump Grove) Shullsburg, Wis. Lead ore. Several thousands pounds have been taken out in a week. Is the only mine in the vicinity which produces white mineral or lead ore in the form of crystallized oxide.

**ROCKFORD CO.**, Platteville, Wis. (P). In city limits. Zinc ore. Drilling on Wm. Place's lots. Struck good showing of jack in first drill hole.

**REWEY MINING CO.**, Rewey, Wis. (P). Pres., John T. Hughes; Treas., O. G. Rewey; Sec., John Eustace. Company is composed of fifty stockholders.

**ROCKFORT CO.**, Benton, Wis. (P). Have good drillings on property near the King Bee. Will sink shaft.

**RICO MINING CO.**, eight miles south of Cuba City, Wis. Cap. \$80,000. Pres., Geo. Merrifield; Treas., W. H. Doyle; Sec., Frank Pitts. Directors: Geo. Merrifield, Frank Pitts, Harry Stephens, Lewis Pross, J. P. Rundell. Jack and lead. Depth of mine 20 ft.

**ROYAL PURPLE MINING CO.**, Platteville, Wis. (P). Has made a fine strike of jack on the Trenary farm.

**RED JACKET**, three and one-half miles south of Montfort, Wis. (P). Cap. \$85,000. Directors: D. McGregor, Hary Stephens, Benj. Hodge, Frank Burg, A. W. Kopp. The company owns 160 acres of rich mineral land.

**RABBIT FOOT MINE**, one mile north of Mineral Point, Wis. Owned by A. F. Bishop, Frank Bishop, and G. E. Bennett. Depth of mine 40 ft. Property under development.

**RABBIT FOOT CO.**, four miles east of Platteville, Wis. (P). Drilling on the John Harms' farm near the mounds; passed through a bed of sulphur and flint at a depth of 135 ft.

**RATTLE SNAKE MINING CO.**, Lancaster, Wis., two miles west of Beetown. Directors: Pres., Dr. Geo. Marlow; Treas., V. L. Showalter; Sec., Geo. Gunderson; J. F. Dechow, Jno. Kilberg and Elmer Garner. 240 acres of good mining ground. Drill to go to work as soon as one can be found.

**RUSSELL MINING CO.**, Galena, Ill. (P). Cap. \$50,000. Supt., Fred Avery. Has two mines, Russell No. 1 and Russell No. 2, and comprises 200 acres. Disseminated ore has been discovered by drilling.

**ROONEY MINE**, Delhi street, Dubuque, Ia. Lead ore. On land owned by C. H. Meyer and operated by him.

**RAISBECK-FAIRPLAY MINING CO.**, in village limits, Fairplay, Wis. Cap. \$12,000. Pres., Wm. Raisbeck, Dubuque, Ia.; Vice-Pres., T. S. Raisbeck; Treas., John Johns; Sec., S. E. Smalley, Cuba City, Wis. Lead in large quantities discovered soon after mine was fully opened. Stock jumped from one to ten dollars per share in two months. At present time it promises to be the richest discovery for years.

**ROCKFORD MINING CO.**, Lancaster, Wis. Cap. \$100,000. Eight miles west of Lancaster; four miles east of Beetown. Directors: F. D. Rieher, S. S. Brumball. Will begin at once. 260 acres under lease. Very rich mineral land.

**RELIANCE MINING CO.**, Dubuque, Ia. Cap. \$50,000. Inc. in Ill. D. J. Gardner, Pres., Platteville, Wis.; David Daley, V-Pres., Freeport, Ill.; E. M. Harroun, Sec., Dubuque, Ia.; J. J. Lenahan, Treas., Dubuque, Ia. Directors: David Daley, Freeport, Ill.; A. D. Burhyte, Waterloo, Ia.; F. J. Bechely, Dubuque, Ia.; C. W. Mitchell, Dubuque, Ia.; E. M. Harroun, Dubuque, Ia.; A. J. McDade, Dubuque, Ia.; J. D. Mandeville, Waterloo, Ia.; J. A. Kebil, Freeport, Ill. Have leases near Scales Mound, Ill., Shullsburg, Wis., Hazel Green, Wis., 240 acres in all, also some leases near Galena and Hanover, Ill.

**REWEY DEVELOPMENT CO.**, Rewey, Wis. (P). Have struck good ore at 117 ft. on the Nolan land.

**RAISBECK MINING CO.**, New Diggings, Wis. Cap. \$20,000, Inc. J. K. Carey, John Dawson, Annie Dawson.

**RUBY MINING CO.**, Platteville, Wis. (P). Southeast. Directors: E. C. Stephens, Pres.; P. J. Dolan, Sec'y. and Treas.; Oscar Henning, J. Hough, Anton Weigel. To drill on the Weigel farm.

## S

**SQUIRREL MINE**, east of Mifflin, Wis., on land owned by Thos. Clark. Owned by Robert Young, John Wilkinson, Geo. Wilkinson, Geo. Clark, James Young. The average depth is from 60 to 80 feet. It is drained by a level 1,000 feet long driven by the owners and required four men nearly two years to drive this level. The mine afterward pitched in crossing a ravine. The workings are chiefly in the glass rock opening. There are two other flats above the glass rock, 1st "clay bed" opening, 4 feet above the "brown rock." Twelve feet above the "clay bed." These openings all produce lead ore and blende. The openings are reached by perpendicular shafts from 60 to 80 feet deep. There are seven of these shafts extending nearly 1-4 of a mile.

**SNOWBALL MINING AND MILLING CO.**, one and one-half miles from Dodgeville, Wis. Cap. \$60,000. Pres., H. Peny; Treas., D. H. Williams; Sec., R. Carter. Directors: G. Guthrie, F. Kirkpatrick, A. F. David, J. S. Wright, F. F. Andrae, A. R. Turner, B. Choffel. Zinc and lead in sheet formation. Depth of mine 110 feet. The ore makes in a blanket formation under the glass rock. Installing machinery. Will turn out 10 ton high grade concentrate a day. Carroll Guthrie, Supt., Dodgeville, Wis.

**SIXTEEN MINING CO.**, Hazel Green, Wis. Pres., Nelson J. Russell of Rockford, Ill. Lead. Chunks of ore weighing 125 and 160 pounds are being raised.

**SHIPTON, T. D.**, Halover, Ill. (P). Credited by the Field Columbia Museum of making the first discovery of Barite (crystallized) in Illinois.

**SHAFFER MINE.** (B. M. & D. Co.) Benton, Wis., one and one-half miles northeast. Cap. in B. M. & D. Co. Pres., M. E. Coltman; Treas., W. B. Vaile; Sec., W. B. Buchan. Directors: B. M. & D. Co. Sheet zinc. Pitches and flats. Depth of mine 84 feet. This range is proven for one and one-fourth miles in length and 90 ft. wide.

**SUNSET MINING CO.**, north of Rewey, Wis. Cap. \$85,000. Pres., E. B. Smith; Treas., C. I. Cushman; Sec. O. G. Rewey. A very good quality of zinc ore. A new mill soon to be completed with best of machinery. Depth of mine 85 ft. The future of this mine looks very promising, as the run of ore ahead is good.

**ST. ELMO MINING CO.**, one-fourth mile from station, Elmo, Wis. Cap. \$60,000. Pres., W. E. Lewis; Vice-Pres., Hon. J. A. Peacock; Treas., W. H. Doyle; Sec., E. B. Smith. Directors: Hon. E. F. Nedson, Hon. J. A. Peacock, A. J. Cheney, Hon. Duncan McGregor, Hon. E. B. Smith, W. E. Lewis, R. Bell. Lead and zinc. Depth of mine 140 ft. Lease covers 80 acres of mining land. Two shafts have been sunk.

**STRAWBERRY MINING CO.**, south 4 miles from Belmont, Wis. (P). Cap. \$2,000. Pres., F. H. Kuhnbehn; Treas., Wm. Hambly; Sec., T. J. Kilpatrick. Directors: Three above officers and J. C. Hubenthal and G. H. Richers. This is a drilling proposition and as yet is undeveloped but is believed to be from all indications a very good prospect and will make a mine.

**STITZER MINING CO.**, Stitzer, Wis. (P). Pres., F. H. Schuppener; Treas., O. M. Smith; Sec., Ed. Bergheger; Vice-Pres., A. T. Weir. Directors: Henry Schuppener, August Lenz, L. W. Schuppener, Ed. Lind, Fred Brun. Has lease on the farms of A. T. Weir, H. Bergheger, H. J. Bayman, Henry Hirsch, R. A. Draper.

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## ENGINES, BOILERS, COMPRESSORS, HOISTERS,—SMEDLEY STEAM PUMP CO.

**SOFT BOTOM MINE CO.**, west of Highland, Wis. Pres., W. McCormick; Treas., J. Givman; Sec., Ben Cross. Directors: McCormick, Cross and Givman. Carbonates impregnated with lead. Depth of mines 56 feet. Partnership. Old ground worked for years—good producer.

**SLACK MINING CO.**, one-half mile east of Mifflin, Wis. Cap. \$70,000. Pres., James Harris, Janesville, Wis.; Sec. and Treas., Wm. D. Brown, Mineral Point, Wis. Directors: James Harris, Dr. C. J. Fawkes, A. G. Wilkinson, John Slack. The range is a "ten o'clock" and the ore very high grade, practically free from iron. Besides the solid sheet, there is a large body of disseminated ore. Depth of mine 18 ft. A concentrating mill has been contracted for and will be in operation not later than March 15th. The entire output of the mine contains ore and large quantity awaits the mill.

**ST. ANTHONY MINING CO.**, two miles southwest of Highland, Wis. Cap. \$60,000. Pres. and Treas., W. B. Bennett; Sec., A. J. Egan. Directors: Pitts, Egan and Bennett. Carbonates, lead and some black jack. Depth of mine 65 feet. Over 400 acres, lease form, small lots to miners, for mining purposes.

**STREET MINING CO.** In city limits, Dubuque, Iowa. On Kaufman Ave. Cap. Ind. Jas. Street, Treas. and Mgr. Lead and zinc carbonates. Depth of mine 40 ft. This is a new mine showing good specimens of lead in an east and west "ten o'clock." No blasting and mine is in the radius of the best lead district.

**SKENE LEAD CO.**, Elizabeth, Ill. Cap. \$600,000. Pres., C. E. Everett; Treas., C. C. K. Scoville; Sec., E. Ramsdell. Directors: C. E. Everett, C. C. K. Scoville, Geo. R. Bard, E. Ramsdell, W. S. O'Rourke, C. A. Wise, C. G. Ballentine. Lead. Depth of mine 115 feet. Complete concentrating plant, two pumping plants operated by the electric motor, mine lighted with electricity. Slope 106 feet. Have struck jack. This is one of the best mines in the district.

**SUCCESS MINING CO.**, Preston, Wis. (P). A drilling company on the Everson farm. Struck sulphur and jack at a depth of 123 feet.

**STEPHENS, AMO.** East, Platteville, Wis. (P). Zinc. A drilling company on the Amo Stephens' farm.

**ST. ROSE MINING CO.**, four and one-half miles southwest Platteville, Wis. Cap. \$75,000. 750 shares at \$100 each. Pres., Wm. Kennedy; Vice-Pres., Charles Kistler; Treas., Phil. Allen, Jr.; Sec., C. W. McIlhonn. Zinc, disseminated, easily mined and milled. Is free from pyrites of iron. Total monthly dividend is about \$2,250. Has 50-ton concentrating mill, 2 hoisters, electric drills, dynamos to light mine and all necessary machinery. Has unlimited lease on 120 acres. Runs 2 shifts of 16 to 20 men.

**SALLY WATERS MINE**, New Diggings, Wis. Zinc. Going to change from gasoline to steam and electric power.

**SECURITY MINING CO.**, northeast and south of Highland, Wis. Cap. \$125,000. Pres., M. Lynch; Treas., Platt Whitman; Sec., J. H. Lewis. Directors: Lynch, Egan, Lewis, Wall, Miller, Kennedy, Delaney. Lead, black jack, carbonates. Depth of mine 96 feet. Newly organized. No lodes fully developed.

**SULLIVAN.** In city limits, Dubuque, Iowa. (P). Pres., D. A. Sullivan. Lead and zinc. Depth of mine—within few feet of level of river. Over 150 ft. lower than any mine in district. Into North and South, about to sink. Small pieces of jack being taken out daily.

**STEPHENS-EGGERS**, south of Lancaster, Wis. (P). Zinc. Have struck jack on the Ballie farm.

**STEPHENS, FRANK**, Livingston, Wis. (P). A drilling company on the Frank Stephens farm.

**SQUARE DEAL MINING CO.**, Hazel Green, Wis. Cap. \$70,000. Inc. Henry F. Cochems, F. E. Doty, J. P. Mallett. Lead and zinc.

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Eight-Cell Steam Jigs—Chicago-Benton Zinc Co., Benton, Wis.

## STEAM HEADS, POWER HEADS, CORNISH PUMPS,—SMEDLEY STEAM PUMP CO.

**SUNRISE MINING CO.**, north of Rewey, Wis. Cap. \$40,000. Sec. Phil Allen. Mostly zinc with some lead. Depth of mine 70 feet. This mine has recently sunk an incline shaft and has a better showing of ore than ever before.

**STEIL MINING CO.**, Northeast Montfort, Wis. (P). Cap. \$1,250. Pres., Phil Steil; Vice-Pres., Edwin Biddick; Treas., F. W. Fieldhouse; Sec., J. L. Tucker. Directors: Phil Steil, Edwin Biddick, Wm. DiVall, Ben Steil, John Fieldhouse. Will drill on the Steil land.

**STEVENS, JOHN**, East Linden, Wis. Pres., John Stevens. Zinc.

**SILVER DOLLAR MINING CO.**, five miles southeast Montfort, Wis. Cap. \$1,250. Pres., W. N. Billings; Sec. and Treas., John H. Billings. Directors: Dr. J. B. Hitchcock, W. N. Billings, D. W. Bowers, Hiram Eastman, Wm. Holmes, Jr. Company has lease on Wm. Holmes farm.

**SCALES MOUND-ROCKFORD MINING CO.**, Scales Mound, Ill. Cap. \$100,000. Pres., Wm. E. Laity; Vice-Pres., W. W. Snyder; Treas. and Mgr., Adam Rittweger; Sec., Geo. Rittweger. Directors: Wm. E. Laity, Adam Rittweger, W. W. Snyder, J. H. Babcock, Geo. Rittweger, C. B. Calkins, Jos. Magee, Chas. L. Teasdale, Thos. Casper, Geo. E. Stockburger. Depth of mine 55 ft. Mine works on a pitch of 45 degrees, and has produced 170 thousand pounds lead ore.

**STAR MINING CO.**, in the city of Platteville, Wis. Cap. \$50,000. Pres., K. G. Olson; Sec. and Treas., W. H. Ellis. Directors: E. T. Gardnier, M. G. Jefferies, K. G. Olson, W. H. Ellis, B. F. Huntington. The top run of ore, 100 feet level; disseminated, 140 feet level. Sheet zinc and lead. Depth of mine 120 feet. The "Star" has leases on about 13 acres of land. The Empire and Enterprise bound it on the east and north, the Eclipse northeast, also the Excaliber and West Empire join the property. A shaft is now down 120 feet and good paying ore is known to be on the lower levels. It is situated in the middle of the best mines in the district.

**SOUTHWESTERN WISCONSIN MINING CO.**, three miles southwest Calamine, Wis. Cap. \$3,000. Pres., C. W. Knapp. Nearly all Lancaster parties. Zinc. Depth of mine 75 ft. Fairly well equipped with machinery and raising good ore.

**SURE THING.** Joins city limits of Lancaster, Wis. Cap. 20 shares, \$25 each. Pres., W. E. Lathrop; Treas., M. M. McDonald; Sec., Geo. Baxter. Directors: W. E. Lathrop, M. M. McDonald, Geo. Baxter, W. S. Lathrop and E. Woodhouse. Drilling prospect. Lead and Jack have both been found of good quality near surface. Company expects to commence drilling at once. Location and indications very promising to make this one of the best propositions for the investor.

**ST. CHARLES**, West Linden, Wis. Pres., Frank Fecht; Treas., Hillary; Sec., J. B. Harker. Directors: Fecht, Harker, Hillary. Lead and zinc. This prospect is on the John Harker farm.

**STRONG-LEFFELHOLZ**, Dickeyville, Wis. Cap. \$200. Lead Drilling company just formed to prospect on Deitzel land

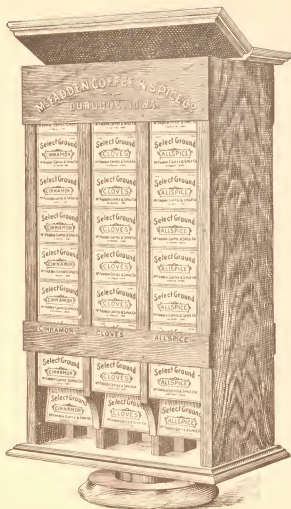
**STEVENS-ROCKFORD CO.**, Montfort, Wis. Directors: Fred Savage, R. C. Kendrick, E. Moffitt, John Fossbinder, Ren. Stevens. Company composed of Rockford and Montfort parties.

**SUCCESS**, Fennimore, Wis. (P).  $4\frac{1}{2}$  miles east. Cap. 50 shares at \$25, assessable. C. J. Niehaus, Pres; Ira W. Smith, Sec.; Joseph Stephens, Treas.; Directors: Dr. L. H. Marsden, Wm. Manning, Herman Fosbinder, Isaac Lomas. Lead and zinc.

**SCHOLLIAN-EADIE MINING CO.**, Dubuque, Ia. (P). Cap. \$20,000, par \$1.00. Directors: Pres., E. Schollian; V.-Pres., Wm. Ahearn; Sec., Thos. Eadie; Treas., E. Schollian.

**SALLSAA**, southeast of Dodgeville, Wis. Cap. \$55,000. Pres. Hugh Parry; V. Pres., Wm. Kramer; Sec., R. Carter; Treas., Orville Strong; Directors: Carroll Guthrie, Frank Kirkpatrick, H. D. James, W. J. Pearce and J. P. Smelker. Zinc and lead. Company has lease on 280 acres.

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DUBUQUE, IOWA

**SINCOX, WM.**, Galena, Ill. (P). Four miles east near Glen Hollow. Lead.

**SCRABBLE CREEK MINING COMPANY**, Hazel Green, Wis. Capital \$100,000. Shares \$50 each. Project entirely financed. Officers and Directors: Pres. Dr. Philip Fox; Vice Pres. A. O. Fox; Sec. and Treas. A. T. Rogers, all of Madison, Wis.; Carl F. Hilbert, Milwaukee, Jefferson Crawford and Supt. W. F. Strasser, Hazel Green, Wis. Located on the lands of the Crawford Estate which produced from 1826 to 1890 over \$5,000,000 worth of lead, far exceeding the early day production of any other similar tract in the entire Wisconsin District. All of this taken out of first forty feet of ground. Extensive drilling has been carried on for past two years. Out of fifty holes drilled, sixty per cent carried zinc and lead in very large quantities. Churn drill work proved up by diamond drill cores. Ore lies in lower strata within first forty feet above oil rock. Heavy sheet ore formation, proved for quarter of a mile. Now sinking shaft into ore. Plans under way for concentrating plant of 200 tons daily capacity. Entire equipment to be electrically operated.

## T

**TOMMY DOD MINING CO.**, one mile southwest of Benton, Wis. Cap. \$250,000. Pres., F. D. Updike; Treas., Dr. Jos. Sope; Sec., W. B. Keel. Directors: F. D. Updike, J. W. Sope, Fred Kneep, W. B. Keel and H. N. Anderson. Disseminated ore, drill shows an upper flat 50 ft. thick and a lower flat 145 ft. making 96 feet. A shaft is being sunk on the property and is now 50 feet deep. This company is entirely formed with no stock for sale.

**TUNNEL HILL**, three and one-half miles south of Benton, Wis. Cap. 7 shares. Pres., Will Barrett; Treas., W. B. Valle; Sec., W. R. Buchan. Directors: W. Barrett, F. Krog, J. J. Williams, M. E. Colman, P. A. Orton. Jack, bone and lead. Pitches and flats. Depth of mine 42 ft. No stock for sale.

**TRIPOLI**, west of Mineral Point, Wis. Cap. \$50,000. Pres., A. W. Hill; Treas., A. L. Annis; Sec., E. C. True. Directors: A. W. Hill, E. C. True, A. L. Annis, C. E. Kemper, W. C. Young. Zinc and lead. Depth of mine, 90 feet, \$50,000 in buildings and machinery. Best equipped mining plant in Wisconsin. Employs 50 men.

**TURNER MINING CO.**, one-fourth mile southeast Montfort, Wis. (P). Pres., A. R. Manley; Treas., D. James; Sec., C. M. Cronk. Directors: A. R. Manley, J. B. Hitchcock, Eugene Turner, C. G. Van Buren. Drilling.

**TRANKLE**, one mile east of Montfort, Wis. Pres., Herman Trankle; Treas., D. James; Sec., W. G. Baxter. Directors: (7 in company) H. Deiter, A. Llex, H. Trankle, P. R. Peterson, W. G. Baxter, W. R. Rollins, F. W. Fieldhouse, D. James.

**TOGO**, two miles east of Cuba City, Wis. Lead and zinc. Some of the principal shareholders are Ben Webster, J. S. Block, W. H. Worthington, O. J. Schuster of Platteville, R. Meyer, E. E. McCoy of Lancaster; W. H. Wright and son of Chicago, Ill.; McNett Bros., H. E. Scott, Frank Heil, G. C. Longendyke, Geo. Wiederhold, Dr. S. A. Margan, Jos. Longbotham, all of Cuba City. The present company have drilled two holes and now on the third has found a quantity of lead and jack at depths ranging from thirty-five feet to sixty feet deep.

**TEMPERAL**, Galena, Ill. (P). Northern border of Vinegar Hill township. Cap. \$100,000. Lease covers the Vickers Temperly farm. Company consists of Philadelphia, New York and Chicago capitalists.

**THOMAS MINING CO.**, two and one-fourth miles southeast Montfort, Wis. Pres., J. P. Chandler; Vice-Pres., J. H. Fosbinder; Sec. and Treas., L. H. Stevens. Has commenced drilling. Has leases on 320 acres.

**TENNYSON MINING CO.**, Potosi, Wis. Directors: J. J. Stelpflug, Samp, Colloway, R. N. Trentzsch, Geo. Chalder, Mose Carthew.

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

**THOMAS, E. C.**, Potosi, Wis. (P). Chicago parties have leased 65 acres of the E. C. Thomas land and will drill for jack.

**THOMAS CO.**, Livingston, Wis. (P). Pres., R. T. Livingston; Vice-Pres., Arch. Rundell; Treas., Fred Stevens; Sec., W. C. Livingston. Directors: Dave Livingston, Frank Allen, Albert Thomas, John Hughes, Franklin Rundell. A drilling company on the Albert Thomas farm.

**TRIO**, southeast Linden, Wis. Cap. \$60,000. Pres., Rob Hawke; Sec. and Treas., Joe Fiedler. Disseminated zinc ore. Depth of mine 85 feet. Building concentrator. Will make good showing.

**TEMBY MINE**, Mineral Point, Wis. Cap. \$50,000. Pres., J. J. Penhallegon; Vice-Pres., C. W. Hutchinson; Treas., E. Y. Hutchinson; Sec., Jos. J. Fiedler.

**TEN STRIKE MINE**, Ga'ena, Ill. R. K. Welsh, Pres.; F. Kleg, Vice-Pres.; W. W. Bennett, Sec. and Treas. All residents of Rockford, Ill. Mr. Wearmouth, Supt. Are putting in modern machinery.

**THORNWICK MINING CO.**, Dubuque, Ia. Pres., Theo. Altman; Mrs. P. Altman, F. M. Rhomberg. A good prospect located on Sumner Hill.

### U

**UNITED MINING & CONSTRUCTION & MFG. CO.**, Business office, Montfort, Wis. Domiciliary office, Huron, S. D. Cap. Authorized capital stock, \$1,000,000. Pres., A. R. Manley; Treas., J. R. Hitchcock; Sec., W. R. Johnson; Assistant Sec., David James; Gen. Mgr., W. L. McLaughlin; Auditing Board, David James, C. M. Cronk and J. B. Johnson. Lead, zinc, dry bone and sulphur. Directors: A. R. Manley, C. M. Cronk, J. B. Hitchcock, F. E. Parish, W. R. Johnson, David James, C. R. McDonald, C. G. Van Buren. Proxies: Herman Dieder, I. S. E. Washburn, H. Trinkie, Wm. James, W. L. McLaughlin, J. B. Johnson.

**UNITED MINING CO.**, Benton, Wis. (P). Have lease on the Cottingham farm.

**UNCLE BILLY MINING AND MILLING CO.**, Potosi, Wis. (P). Pres., J. H. Coons; Sec and Treas., W. C. Hymer. Directors: A. W. Hastings, Lancaster, Wis.; James Parish, Platteville; Frank Coates, Sr., Dubuque, Ia.; Edward Nickson, Rockville; J. H. Coons, Potosi. Has lease on lands owned by Edwin Morsehead in the towns of Potosi and Harrison.

**U. S. MINING CO.**, Belmont, Wis. (P). Will operate on the Edward Curnow farm near Mineral Point.

**UNION ZINC AND LEAD CO.**, Shullsburg, Wis. Cap. \$300,000. Inc. A. M. Rathbun, Wm. G. Carroll, Azel F. Hatch, C. S. Andrews.

### V

**VETA GRANDE**, Scales Mound, Ill. Lead. Was bought in by the former employees.

**VANNA, MOSES M. & SON**, one mile south Cornelia, Wis. (P). Lead. Discovered on owners' land and is being worked with windlass and rope. A few hundred dollars' worth of lead has been raised.

**VINEYARD COMPANY**, Platteville, Wis. In city limits. (P). Good showing of jack in drill hole on Ed. Stephens' property at 70 feet.

**VANDEVENTER DEVELOPMENT CO.** (P). Platteville, Wis. Lease of 200 acres on Joshua Crawhill farm by Ishpeming, Mich., parties.

**VINEGAR HILL ZINC MINING CO.**, Vinegar Hill Township, Ill. Cap. \$50,000. Company has lease on Stacy land and are installing modern machinery.

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**MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.**



**W**

**WASHBURN MINING CO.**, southwest Livingston, Wis. Cap. \$30,000. Pres., J. C. Stone; Sec and Treas., S. C. Conover. Directors: Stone, Conover, Kenyon. Zinc and lead. Have an enclosed shaft house. Just started to work. Have pumps. Depth of mine 40 feet. On the L. K. Wells' farm. Has incline shafts.

**WILLIAMS BROS.**, East Dodgeville, Wis. Zinc. Depth of mine 85 feet. Sold to Mineral Point parties for \$75,000.

**WILLIAMS, J. P. (P).** East Linden, Wis. Zinc.

**WESTERN BELLE**, West Dodgeville. Directors: Davy, Jas. Parks and Harvey. Lead. Depth of mine 55 feet. Recently incorporated, unorganized. Formerly known as "Western Star."

**WILLIAMS & POLLARD**, two miles east of Dodgeville, Wis. Cap. \$45,000. Pres., G. Williams; Sec. and Treas., L. Pollard. Zinc. Depth of mine 80 feet. On the range 6 inch sheet of jack. Installing mining machinery.

**WALKER, JOSEPH. (P).** Rockville, Wis. 80 acres leased by Platteville parties.

**WATTS MINING CO.**, Platteville, Wis. Purchased drill to prove property. Drilling Shepherd land.

**WISCONSIN ZINC FIELDS MINING CO. (P).** Platteville, Wis. Four miles south, near Big Patch. Vice-Pres., O. A. Rogers, Pittsburg, Pa. 400 acres leased by Pittsburg parties.

**WISCONSIN MINING & DEVELOPMENT CO.**, one-half mile northwest Montfort, Wis. (P). Pres., J. T. Biddick; Treas., W. G. Baxter; Sec., W. F. Rollins; Attorney, M. S. Block, Platteville. Directors: J. T. Biddick, W. F. Rollins, W. G. Baxter, M. S. Block. Lead and zinc. Depth of mine 110 ft. Has a lease on 140 acres of J. T. Biddick's land where rich ore was discovered years ago. They will extend work on old shaft and put a drill on the property.

**WHIG**, Platteville, Wis. Cap. \$35,000. Pres., F. Krog.

**WEBER AND KLINGEL MINE**, Galena, Ill. Has placed new machinery.

**WISEMAN**, one and one-fourth miles north Benton, Wis. Partnership. Pres., C. McFarland; Treas., W. B. Vaile; Sec., W. R. Buchan. Sheet jack. Depth of mine 78 feet. New Prospect.

**WEST EMPIRE MINING CO.** In city limits, Platteville, Wis. Cap. \$75,000; Pres., C. D. Harding; Vice-Pres., Weittenhiller; Treas., W. H. Doyle; Sec., G. H. Brockman. Directors: C. D. Harding, C. J. Weittenhiller, M. S. Sickle, G. H. Brockman, M. B. Bishop. Zinc. Will erect a plant on shaft No. 1. Has an 8 inch sheet of jack. Has lease on 25 acres of land near the Eclipse mine.

**WISHORN LEAD CO.**, Elizabeth, Ill. Cap. \$600,000. Pres., W. S. O'Rourke; Treas., Geo. R. Bard; Sec., E. Ramsdell. Directors: C. E. Everett, W. S. O'Rourke, Geo. R. Bard, E. Ramsdell, C. G. Ballentine. Lead. Depth of mine 185 feet.

**WHALEY**, one-half mile south Benton, Wis. Cap. \$50,000. Pres., P. H. Whaley; Treas., D. L. Morrill; Sec., F. A. Woodbury. Directors: Same. Zinc, black jack in sheet formation. Depth of mine 86 feet. This is a continuation of the famous Biende and Ida which yielded over two hundred and fifty thousand dollars in dividends by hand work. There is every reason to believe that this will prove the greatest prospect in the whole district.

**WICKLOW MINING CO.**, Cuba City, Wis. Cap. \$100,000. Pres., W. H. Ellis; Treas., G. E. Martin; Sec., B. F. Huntington. Directors: W. H. Ellis, S. F. Campbell, B. F. Huntington, A. C. V. Elston and G. E. Martin. A conglomerate foundation, 30 feet in height and from 40 to 80 feet in width; sheet ore showing in bottom of working drifts. Depth of mine, 160 feet. One of the heaviest ore bodies yet discovered in the district. The shaft will have to be sunk 50 feet deeper in order to take out the heavy sheet of zinc deposit and underneath the conglomerate foundation. Officers and management is being reorganized.

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as to Price, Ship-  
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DUBUQUE,  
IOWA

**Dubuque Butter & Milk Co.**

DUBUQUE,  
IOWA

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

- WALLACE MINING CO.**, southeast Highland, Wis. Pres., James Kent; Treas., Platt Whitman; Sec., A. J. Egan. Directors: Kent, Egan and Whitman. Bird eye jack, carbonates, heavy sheets of both above the glass rock. Depth of mine 60 feet. Extension of Centerville Range; ore is fine; milling proposition.
- WUNN MINING CO.**, Platteville, Wis. Board of Directors: John Seitz, Henry Wunn, John Reilly. Will drill ahead of the St. Rose.
- WISCONSIN & IOWA DEVELOPMENT CO.**, Louisburg, Wis. (P). Company composed of Wm. Raisbeck, James Leary, Dubuque; Conrad May, Louisburg; A. M. Valentine, Janesville; S. E. Smalley, Cuba City.
- WELCH**, Beetown, Wis. (P). Stockholders are Dr. Heraty, A. H. Blackburn, John Mankel. Lead ore. On the W. H. Welch farm in Little Grant, float mineral has been taken out and a larger body of ore will be looked for.
- WOLF-HOLLOW MINING CO.**, Livingston, Wis. (P). Cap. \$700. Officers are R. Griswold, F. Tanner, D. Campbell, J. H. Livingston. Has lease on 80 acres of the Knute Knuteson, Sr. farm and also on 80 acres of the Wm. Kies farm.
- WOOLIE AND LONG RANGE**, Potosi, Wis. (P). Cap. \$2,500. \$100 per share. Directors: O. W. Seaton and Dr. McGovern. Two big lead producing ranges in early days.
- WATCHORN MINING CO.**, four miles west of Montfort, Wis. (P). Pres., Thomas Watchorn; Sec. and Treas., L. H. Stevens; Vice-Pres., Geo. Needham. Directors: Robt. Watchorn, Ed. Heathcot, Geo. Needham, Thomas Watchorn, Ben Shaw. Has lease on 1390 acres.
- WINGVILLE-PLATTEVILLE MINING CO.**, Platteville, Wis. (P). Pres., A. H. DeLong; Vice-Pres., Wm. James; Treas., G. S. Bell; Sec., David James. Directors: A. H. DeLong, John Kromer, W. F. Rollins, F. W. Fieldhouse, J. T. Biddick, F. E. Dobson, E. H. Cordts. Zinc ore. Has lease on Dobson land of 10 acres.
- WATERS (WM.) MINE**, Galena, Ill. In city limits. Wm. Waters, owner. Lead, jack and drybone.
- WATTERS-DENNIS CO.**, Dubuque, Ia., two miles west near Center Grove. Zinc and lead. Depth of mine 40 feet. Incorporated to commence work on Ahern land. Will install pumps at once.
- WHITE MINE**, Fairplay, Wis., two and one-half miles northeast on Kilborn range. Owned by Wm. White, Dubuque. Large quantities of lead have been taken from the opening at a depth of 60 feet.
- WILKINSON-BREDE**, two miles west of Jamestown, Wis. (P). On McCallum range. Depth of shaft 65 feet. Owned by Wm. Wilkinson and Lewis Brede, Dubuque, Ia.
- WHITESIDE**, Hazel Green, Wis., on Crawford estate. Lead ore.
- WIOTA MINING CO.**, Wiota, Wis. Cap. \$65,000. Pres., C. J. Campbell, Wiota, Wis; 1st Vice-Pres., G. W. Larse, South Wayne, Wis.; 2nd Vice-Pres., W. G. Mase, Argyle, Wis.; Sec., S. G. Beebe, Wiota, Wis.; Treas., J. Engebretson, Wiota, Wis. Directors: J. A. Powell, J. R. Perriazo Thos. Knewstubb, O. J. Lovelace, O. L. Hanson. Lease on 500 acres of land. Lead ore was found at a depth of 50 to 100 feet. Jack or blende mixed with lead at a depth of 127 feet to 135 feet and at 170 to 180 feet jack with traces of copper was found.
- WEISKIRCHER MINING CO.**, (P). Benton, Wis. A drilling company.
- WATER'S MINE**, Galena, Ill. On hill near Blum's brewery and extends west about half a mile. Wm. Waters is proprietor of mine. Lead and zinc. A large quantity of ore is on dump ready for shipment.
- WILLIAMS MINING CO.**, Mineral Point, Wis. Cap. \$20,000, \$1.00 per share, Inc. David E. Williams, Gomer Williams, Nelson H. Snow.
- WESTERN STAR MINING CO.**, Platteville, Wis. Cap. \$25,000, \$1.00 per share. Inc. H. S. Vaughn, John D. Plapp, Jacob Karrmann, Frank Pitts.
- WHIG MINING CO.**, Platteville, Wis. Cap. \$30,000, \$1.00 per share. Inc. James Harms, Christian Greaser, Charlie Randecker.
- WEARNE, GEO.**, Linden, Wis. Pres., Dr. Gill.

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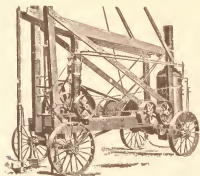
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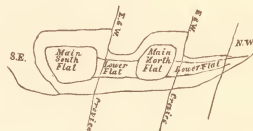
Big Three Mining Co.'s Drill,  
4 Miles south of Lancaster, Wis.



LONGITUDINAL SECTION OF MARSDEN MINE, SHOWING THE  
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TRANSVERSE SECTION OF MARSDEN LODGE, SHOWING FLATS AND  
PITCHES.



GROUND PLAN OF MARSDEN MINE, GALENA.

# LAUDE & MILLER

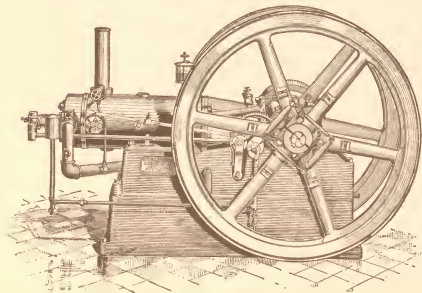
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165 Main Street



Dubuque, Iowa

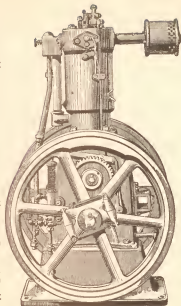
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Lancaster Mining Co.'s mill 8 miles southwest of Lancaster, Wis.

## Julien Dubuque and Early Mining in Iowa

By J. H. VANDENBERGE.

History teaches us that as early as 1690 it was known that lead existed in and along the upper Mississippi valley and one of the first pieces which was found at that time by a Miami chief in a creek, believed to be Catfish Creek which flows into the river a short distance below the present city of Dubuque, or near the site of the original Dubuque Mines, was given to Nicholas Perrot, who was an early explorer of this region where he for several years carried on a profitable trade with the Indians, and was well acquainted with the Miami chief. Perrot visited the place and made due reports to the French government and in 1700 a French explorer by name of Le Sueur, ascended the Mississippi River in search of valuable minerals.

The first mention we find made of the mines was in France in an article by M. Guctard in a volume of the French Academy of Rheims in 1752.

No work of any kind was done to develop these then known lead deposits for nearly a century, from 1690 until 1788, when Julien Dubuque began active operations.

So far as can be ascertained Sieur Julien Dubuque was the first white man who ever settled within the limits of the State of Iowa. He was a French Canadian, born Jan. 10, 1762 near the banks of the St. Lawrence River some distance above Quebec in the province of

Quebec. He received a good education in those days and was particularly interested in geology, mineralogy and mining. When he was about twenty-two years of age, in 1784, he emigrated west locating in the then province of Louisiana, near Prairie du Chien. He began trading with the Indians, with whom he became very friendly, and he soon learned that some years previous lead had been discovered along the river and after prospecting and locating his territory, determined to procure an interest in some portion of the mineral region. The Fox Indians then occupied a large portion of northeastern Iowa, and Dubuque, being a shrewd intellectual man, soon succeeded in gaining the confidence of the chief, known as Kettle Chief, and his tribe, and explored the country surrounding for lead ore soon finding that it existed in quantities.

We learn that a Fox squaw named Peosta, had in 1780 discovered lead within the present limits of the city of Dubuque and the wise prospector soon succeeded in persuading the Indians to grant him the exclusive privilege of lead mining on a tract of land extending along the river from the mouth of the Little Maquoketa to the Tete des Morts, a distance of about twenty miles and running westward about nine miles.

In drawing up the document making this grant Dubuque had written: "We sell and abandon to Dubuque

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MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.



all the coast and contents of the mines discovered by the wife of Peosta, so that no white man or Indian shall make any pretensions to it without the consent of *Sieur Julien Dubuque*." The grant was dated at *Prairie du Chien*, September 22, 1788, was written in French and is still in existence.

As soon as he had secured the lease, he brought from *Prairie du Chien* ten Canadians to assist him as overseers of the mines, smelters, wood choppers and river men. The mining was done entirely by the old men and women among the Indians, the warriors and young men considering it beneath them. The work at the diggings was of a most crude and primitive character. No shafts were sunk, and the windlass and bucket were unknown in those days. They ran drifts and inclines into the hills as far as they could go, and carried the mineral out in baskets, in which they took it to the smelting furnace. The miners' tools in those days were limited to the pickaxe, hoe, shovel and crowbars without the use of powder.

There was a Fox village near where the city of Dubuque now stands, called the village of *Kettle Chief* and Dubuque by this time having the friendship of the Indians, they permitted him and his companions to make their homes in this village. Dubuque soon learned the habits and superstitions of the Fox nation and in the course of a few years had acquired great influence with them. They gave him the name of "*Little Cloud*."

He opened farms, erected houses and put up a smelting furnace on a point now known as Dubuque Bluff.

He opened stores, traded with the Indians, and twice a year he took boatloads of lead, furs and hides to *St. Louis*, exchanging them for goods, supplies and money.

Dubuque and his white colony lived among the Indians, worked the mines and carried on trade for about twenty-two years. Many of the French Canadians married Indian squaws and adopted their modes of living; families of half-breed children grew up, and the place became widely known as the "*Mines of Spain*," a name Dubuque gave his diggings in 1796.

In 1805 Dubuque, and his partner, *Auguste Chouteau* had filed a claim with the United States for title to the tract of land he had thus leased from the Fox Indians, which included at that time all the known lead mines and the present city of Dubuque. For nearly half a century this claim was pending before various tribunals. In 1853 the U. S. Supreme Court held that the grant to Dubuque was in the nature of a permit or lease to mine lead and was not intended to convey actual title to the land.

*John T. Smith*, an Indian fighter and western pioneer bought an interest in Dubuque's grant, after his death, and took possession of the lead works and attempted to carry on mining and smelting, but the Indians refused to recognize his title and the Indian Chief *Pia-no-sky*, gathered his warriors and destroyed the buildings, driving all the whites out of the village and across to the east side of the river.

On the 24th of March, 1810, Dubuque was attacked with pneumonia and died after a short illness. The highest honors were bestowed by the Indians upon their dead friend. The entire population followed him to the grave. His death brought a great change to the village, the mines and the white colony.

During the years that the mines were worked by Dubuque, from 1788 to 1810, the territory was owned by three different nations, viz: Spain, France and the United States.

The burial place of the pioneer was on a high bluff, two hundred feet above the river, near the site of the old Indian village of Kettle Chief. The tomb over his remains was an elaborate one, partly of rock, partly of wood, and the whole surmounted by a cedar cross, with the following inscription engraved in large letters: "Julien Dubuque, Miner of the Mines of Spain, died March 24th, 1810, aged 45 years and 6 months." His friend, "Kettle Chief" lies buried near his grave. A picture of the present new monument erected to the memory of Dubuque by the citizens, occupies the first page of this book.

For several years after Dubuque's death, the Indians held undisputed title and practically no work was done in the mines.

In June, 1829, James L. Langworthy, a native of Vermont, purchased an interest in the Galena lead mines and attempted to procure an interest in Dubuque's old "Mines of Spain." He secured Indian guides and explored the

country between the Turkey and the Maquoketa rivers to find the lead mines formerly worked. He made friends with the Indians and gained their permission to work some of the mines. The following year, with his brother, Lucius H. Langworthy, and a company of miners, he began work.

A village of the Indians which stood at the mouth of Catfish Creek had been depopulated by an attack of Sioux Indians. There were about seventy empty houses standing here when the miners from the Galena region crossed to take possession of the abandoned "Mines of Spain. Some of the more foolish and reckless miners thought to intimidate the Indians by burning these cabins and thus prevent their return to the mines.

In June, 1830, the miners of the west side of the river determined to organize a local government. They held a meeting and elected a legislature consisting of Jas. L. Langworthy, H. F. Lauder, Jas. McPheters, Samuel Scales and E. M. Wren and instructed them to report a code of laws.

This pioneer law-making body gathered around an old cottonwood log for a table and proceeded to business. Mr. Langworthy was chosen clerk and kept the records and the following is the code which was adopted:

"Having been chosen to draft laws by which we, as miners, will be governed, and having duly considered the subject, we do unanimously agree that we will be governed by the regulations on the east side of the Mississippi River, with the following exceptions:

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

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ARTICLE I. That each and every man shall hold two hundred yards square of ground by working said ground one day in six.

ARTICLE II. We further agree that there shall be chosen by a majority of the miners present a person who shall hold this article, and who shall grant letters of arbitration, on application having been made, and said letters of arbitration shall be obligatory on the parties so applying."

The regulations referred to on the east side of the river were the laws established by the superintendent of the United States lead mines at Fever River (Galena). Under their code the settlers elected Dr. Jarote, their first Governor, and it is known that their laws were obeyed and the acts of the legislature as rigidly enforced as have been the more formal acts of later years.

Settlers began to pass over to the new colony in large numbers, but as the invasion of the Indian's country was in direct violation of treaty compacts, the U. S. government was called upon to expel the intruders. Under instructions from the War Department, Col. Zachary Taylor, commanding the military post at Prairie du Chien, sent Lieut. Abercrombie with a company of soldiers to drive the invaders back to the east side of the Mississippi River, and a detachment was left at the mines to protect the Indians in possession of their property.

In 1833, when the lands west of the Mississippi River were thrown open to settlement, the troops were withdrawn from the "Mines of Spain" and in June of the same year, the Langworthy brothers again crossed the river and resumed their work at the mines. Many set-

tlers flocked in, a frontier village began to grow up, and a school was opened and before the close of the year there was a population of about 500 in the vicinity of the mines.

Mining operations were begun with renewed vigor and much work was successfully done in extracting lead ores to such an extent that in 1834, Mr. Wm. Waters built a lead furnace near Dubuque for the treatment of the output of the mines. This furnace was the second erected in the United States.

Business and mining prospered wonderfully, and the first bank in the State of Iowa was established in the camp in 1836 by an act passed by the Territorial Legislature, which convened at Belmont on the 25th day of October, 1836, authorizing the establishment at Dubuque of the "Miners' Bank." The bank was capitalized for \$200,000, divided in shares of one hundred dollars each. Miners and business men were named in the charter as the first directors.

Another evidence of the prosperity of the camp was that the first newspaper which was ever published in Iowa was printed in Dubuque. John King came to the Dubuque Lead Mines in 1834 and quickly observed that the camp was destined to become an important one; returned to Ohio and purchased at Cincinnati a hand press, type and material sufficient to issue a weekly paper.

The type was set for the first number of the "Dubuque Visitor," which was issued on May 11, 1836, and dated "Dubuque Lead Mines, Wisconsin Territory."

# CARR, RYDER & ADAMS CO.



FACTORIES AT DUBUQUE, IOWA

**Largest Producers of Doors and Sash in the World**  
**Fine Interior Hardwood Finish a Specialty**

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The Skene Lead Mine, Elizabeth, Ill.



City of Mineral Point, Wisconsin

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MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

## Mineral Point

One of the Handsomest Cities in the Mining District.

Appropriate to the name of the subject of this article the city of Mineral Point stands to-day one of the leading mining points in the Wisconsin district. The city contains a population of about 4,000 and is the metropolis of the zinc and lead market. The Mineral Point Lead and Zinc works is one of the largest reducing plants in the United States and hundreds of car-loads of ore are concentrated yearly. Away back in the pioneer mining days Mineral Point was settled by a sturdy band of English miners. These sons of old Britannia had worked in the mines of Yorkshire and Cornwall and were familiar with the requirements of their newly adopted home. With that sturdy, honest and never-failing disposition characteristic of "Cousin Jack" they soon opened and developed the mines and up to the present time they or their worthy sons have continued to make Mineral Point the leading mining camp in the eastern district.

Mineral Point is beautifully located upon a series of hill tops. The city is rich in everything going to make a modern home town. The business, educational and social features are the best and there is that air of refinement prevailing which signifies at once the absence of poverty and failure. Two splendid hotels, the Royal and United States, serve the traveler with the best in every particular.

Mineral Point contains many of the foremost men in the mining district. Men who have amassed fortunes in mining and who have gained fame abroad. Messrs. E. Y. Hutchinson; Mr. Philip Allen, Mr. J. McIlhon; Mr. Cal. Spensely, Mr. J. Crum; Dr. C. J. Fawkes; Mr. W. A. Jones, ex-Indian Commissioner under President McKinley; Mr. N. Snow, mine operator, and many others, constitute the backbone of several of the principal mining ventures of southwestern Wisconsin.

# The Klauer Manufacturing Co.

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MACHINISTS AND FOUNDERS

## MINING MACHINERY

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Pumps, Jacks, Drills, Etc.

MANUFACTURERS OF THE "NEW MODEL" DOUBLE ACTION STEAM PUMP

====Repairs a Specialty====

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N. B.--Write for Information Regarding Our "New Model" Pump

Corrugated Iron, Iron Roofings, Etc.



# DIRECTORY OF INCORPORATED LEAD AND ZINC MINING COMPANIES OF WISCONSIN

Including All Lead and Zinc Mining and Prospecting Companies Incorporated from Jan. 1, 1904, to Feb. 10, 1906, with Names of Incorporators, Where Incorporated and Date of Incorporation, arranged by Cities together with Names of Companies Operating in the Northwest District from Other States.

(Compiled from Records of Secretary of State, Madison, Wis.)

## BENTON, WISCONSIN.

- CALVERT MINING CO., Benton, Wis., December, 20, 1905. Capital stock \$60,000. David Schreiter, Louis E. Boll, and R. E. Tarrill.
- CHICAGO-BENTON ZINC CO., Benton, Wis. July 3, 1905. Capital stock \$50,000. M. E. Coltman, A. Milner and Thos. J. Froggatt.
- DAWSON MINING CO., Benton, Wis. May 22, 1905. Capital stock \$50,000. T. H. Bainbridge, John Beck and John Dawson.
- MILLS MINING AND REDUCTION CO., Benton, Wis. Nov. 10, 1905. Capital stock \$100,000. Shares \$1.00 each. Work especially in Grant County, also in La Fayette and Iowa Counties. Ralph Root, Philip Janney and F. H. Brainerd.
- BURRELL MINING CO., Benton, Wis. Dec. 20, 1905. Capital stock \$60,000. J. K. Carey, H. C. Martin and James McGinty.
- BENTON MINING AND DEVELOPMENT CO., Benton, Wis. Nov. 3, 1905. Capital stock \$25,000. Timothy A. McCarthy, Martin E. Coltman and W. B. Vail.
- BUCHAN MINING CO., Benton, Wis. July 31, 1905. Capital stock \$25,000. Operations especially in La Fayette, Grant, and Iowa Counties. Wm. R. Buchan, Martin E. Coltman, J. W. Murray, John Flynn, Charles F. Osborn and Philo A. Orton.
- THE RAISBECK MINING CO., New Diggings, Wis., near Benton, Wis. Dec. 22, 1905. Capital stock \$20,000. Shares at \$1.00. Mining especially in La Fayette Co. J. K. Carey, John Dawson and Annie B. Dawson.
- NEW DEAL MINING CO., Benton, Wis., Sept. 17, 1897. Capital stock \$6,000. Shares \$1.00 each. Jeanette Williams, J. J. Williams and M. H. Richards.

## BELMONT, WISCONSIN.

- THE EARL LEAD AND ZINC CO., Belmont, Wis., Dec. 15, 1905. Capital stock \$75,000. W. H. Doyle, I. E. Wright and George Gugerty.
- THE EARL MINING CO., Belmont, Wis. Aug. 28, 1905. Capital stock \$2,000. Mining particularly in Iowa and LaFayette Counties. H. Ames, George Gugerty, W. H. Appleby, H. C. Klein and Henry Ovlitz.

## BARNEVELD, WISCONSIN.

- BLUE MOUNDS MINING CO., Barneveld, Wis. Dec. 22, 1903. Capital stock \$50,000. Jerome J. Jones, Barneveld, Wis., Geo. B. Williamson and John McGinn of Ridgeway, Wis., and J. H. Spence and A. B. Waterman of Milwaukee, Wis.

## BELOIT, WISCONSIN.

- KOHINOOR BLEND MINING CO., Beloit, Wis., operating near Platteville, Wis. Dec. 8, 1905. Capital stock \$125,000. \$1.00 per share. F. E. Kunz, A. M. Egenbaum, E. Dahlberg, F. C. Stevens and L. J. Rogers.

## CASSVILLE, WISCONSIN.

- GRIMM-STEVENSON MINING AND MILLING CO. Dec. 13, 1905. Capital stock \$40,000. Operates in Grant County. Alloys Grimm, Herman Grimm and G. A. Stevens.
- MUSCALUNGE PROSPECTING AND MINING CO., Cassville, Wis. Capital stock \$50,000. To operate in Grant County, Wis., and British Columbia. Dr. John A. Whipple, Dr. H. A. Feiker, C. J. Kuenster and H. G. Kuenster.

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

### CUBA CITY, WISCONSIN.

THE ROOSEVELT MINING CO., La Fayette County, Wis. May 25, 1905. Capital stock \$60,000. Shares \$1.00. Geo. F. West, H. C. Martin and David Schreiter.

THE COOK LEAD AND ZINC MINING CO., Cuba City, Wis. Aug. 10, 1905. Capital stock \$50,000. F. W. Kendall, Ben. Hooper, Wilson Kendall, Jonathan Raisbeck, W. P. Cook, John Dall, Bert Cook and T. S. Cook.

CUBA CITY LEAD AND ZINC CO., Cuba City, Wis. April 24, 1905. Capital stock \$25,000. G. C. Longendyke, Geo. Wiederhold and Frank Heil.

THE RAISBECK FAIRPLAY MINING CO., Cuba City, Wis. Oct. 19, 1905. Capital stock \$12,000. Shares \$1.00 each. Mining especially in Grant County. T. S. Raisbeck, John Johns and S. E. Smalley.

WISCONSIN AND IOWA DEVELOPMENT CO., Cuba City. Dec. 14, 1905. Capital stock \$10,000. Each share \$25.00. Wisconsin mining, but especially in Grant county. S. E. Smalley, Elmer C. May and Conrad May.

THE WICKLOW MINING CO., Platteville, Wis. June 1, 1905. Capital stock \$100,000. Shares \$1.00 each. W. H. Ellis, Geo. L. Jarrett and O. M. Dennis.

### DODGEVILLE, WISCONSIN.

LA FAYETTE MINING AND MILLING CO., Dodgeville, July 25, 1904. Capital stock \$25,000. Shares each \$1.00. Wm. League, Flora Edmunds Niblack, A. B. Whitman, John C. Campbell, Hugh Parry and Eliza B. Whitman.

BLUE MOUNDS MINING AND SMELTING CO., Madison, Wis. Aug. 15, 1905. Capital stock \$100,000. Mining in Wisconsin, especially in Dane and Iowa and other counties. J. Sanderson and Edward Swain. (Gurnea out, Capt. W. B. Shaw now president.)

THE BIG CHEESE MINING CO., Dodgeville, Wis. Sept. 22, 1904. Capital stock \$50,000. Buying and selling land, machinery, implements, supplies, etc., for mining purposes, all kinds of mining products, crushing and cleaning ores, erecting mining machinery, etc., in Wisconsin, especially in Grant County. John R. Perkins, Henry T. Perkins, Gomer E. Williams and Edward A. Perkins.

THE SNOW BALL MINING AND MILLING CO., Dodgeville. Sept. 9, 1905. Capital stock \$60,000. Shares each \$1.00. S. E. Washburn, Herbert Washburn, A. F. David and Carroll Guthrie.

DODGEVILLE MINING COMPANY of the City of Dodgeville. June 10, 1904. Capital stock \$25,000. Hugh Parry, J. C. Campbell, W. H. Parry and A. B. Whitman.

DODGEVILLE SMELTING AND MILLING CO., of the city of Dodgeville. March 2, 1904. Capital stock \$100,000. Jas. H. Spense, H. B. Fargo, A. B. Whitman, Joseph Bennett and W. League.

McKINLEY ZINC MINING CO., Dodgeville, Wis. Feb. 2, 1906. Capital stock \$62,000. W. Ford Carter, Daniel McKinley and A. L. McKinley.

### EAU CLAIRE, WISCONSIN.

EAU CLAIRE LEAD AND ZINC MINING CO., Eau Claire. Oct. 19, 1905. Capital stock \$25,000. Harry F. Vanderbie, Charles W. Cheney and John B. Fleming.

### EDGERTON, WISCONSIN.

THE EDGERTON MINING AND MILLING CO., Edgerton. June 20, 1904. Capital stock \$32,000. Mining especially in Grant and Rock Counties. E. C. Hopkins, W. McIntosh, Henry Johnson and A. McIntosh.

### EVANSVILLE, WISCONSIN.

SOMMERS MINING CO., Evansville, Wis. August 9, 1905. Capital stock \$2,000. Shares each \$1.00. Fred L. James, Marshall J. Fisher and R. M. Richmond.

### FENNIMORE, WISCONSIN.

THE FENNIMORE MINING CO., Fennimore, Wis. Jan. 5, 1906. Capital stock \$25,000. Operations especially in Grant Co. D. B. Brunson, F. E. Rectory, C. J. Nicholas.

### HIGHLAND, WISCONSIN.

THE FRANKLIN MINING CO., Highland, Wis. Aug. 8, 1904. Capital stock \$50,000. \$100 per share. Work especially in Iowa County. Harris Lewis, Abe Lewis, C. W. McIlhon and N. H. Snow.

THE MILWAUKEE HIGHLAND ZINC AND MINING CO., Highland, Wis. Nov. 13, 1905. Capital stock \$50,000. Shares each \$1.00. Platt Whitman, John F. Waters and Ludwig Wechselberg.

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

THE SECURITIES MINING CO., Highland, Wis. Dec. 22, 1905. Capital stock \$25,000. Shares \$1.00. Richard M. Kennedy, Michael Lynch, Wm. Miller, John H. Wall and Platt Whitman.

### HAZEL GREEN, WISCONSIN.

HAZEL GREEN MINING CO., Hazel Green, Wis. June 12, 1902. Capital stock \$100,000. Each share \$1.00. Culvert Spensley, Philip Allen and Richard Kennedy. Capital increased to \$125,000 Feb. 1, 1905.

### JANESVILLE, WISCONSIN.

LIVERPOOL MINING CO., Janesville, Wis., Nov. 21, 1905. Capital stock \$25,000. \$1.00 per share. W. H. Dougherty, B. M. Palmer and W. W. Cody.

RUSSELL MINING CO., Janesville, Wis. Dec. 11, 1905. Capital stock \$50,000. Shares \$1.00 each. Charles E. Pierce, E. A. Kemmerer, and John L. Fisher.

THE ROCKFORD MINING CO., Janesville, Wis. Sept. 26, 1905. Capital stock \$100,000. Shares \$1.00 each. Operations especially in Grant, Iowa and La Fayette Counties.

THE SIXTEEN MINING CO., Janesville, Wis. March 24, 1905. Capital stock \$16,000. Shares each \$1.00. Peter J. Mouat, C. J. Hendricks and E. Casey.

AMERICAN LEAD AND ZINC CO., Janesville, Wis. July 28, 1904. Capital stock \$10,000. W. H. Dougherty, B. H. Palmer and Corn O'Brien.

THE HOME-SITY MINING CO., Janesville, Wis. Jan. 15, 1906. Capital stock \$50,000. Mine in Rock, Iowa and La Fayette County. Charles E. Pierce, Otto F. Schicker and Wm. T. Shover.

BAXTER MINING CO., of Janesville, Wis. Nov. 2, 1904. Capital stock \$35,000. B. M. Palmer, W. H. Dougherty and H. W. Cody.

BENTON LAND AND MINING CO., Janesville, Wis. Dec. 22, 1905. Capital stock \$45,000. Geo. G. Sutherland, A. M. Valentine and M. G. Jeffries. Operating near Benton.

### LIVINGSTON, WISCONSIN.

EBENEZER MINING AND MILLING CO., Livingston, Wis. Nov. 9, 1905. Capital stock \$35,000. G. J. Biddick, F. B. Rundell, D. J. Gardner and J. T. Biddick.

THE FAMOUS MINING AND MILLING CO., Clifton Township, near Livingston, Wis. Sept. 20, 1905. Capital stock \$30,000. \$25.00 per share. Operates in Grant County. James H. Coons, John C. Watson and Theobald Metzger.

### LINDEN, WISCONSIN.

LINDEN MINING CO., Milwaukee, Wis. Sept. 23, 1905. Capital stock \$25,000. Operate in Wisconsin and elsewhere. Especially in Iowa, La Fayette and Grant Counties. Fred Marling, C. C. Jacobus, Paul Harting, A. V. Klefisch and Cornelius A. Sidler.

### LA CROSSE, WISCONSIN.

THE CORNISH POINT ZINC AND LEAD MINING CO., La Crosse, Wis. Operating near Potosi, Wis. Capital stock \$25,000. W. F. Wolfe, L. B. Omerberg and A. C. Wolfe.

### MILTON, WISCONSIN.

THE LITTLE DICK MINING CO., Milton, Wis. Jan. 22, 1906. Capital stock \$85,000. F. C. Binnewies, C. E. Perry and Floyd T. Coon.

MILTON LEAD AND ZINC MINING AND MILLING CO., Milton, August 31, 1905. Capital stock \$20,000. Each share \$1.00. Floyd T. Coon, F. C. Binnewies and D. A. Holmes.

### MONTFORT, WISCONSIN.

THE MONTFORT MINING CO., Montfort, Wis. Feb. 2, 1904. Capital stock \$25,000. Each share \$1.00. John Fieldhouse, Pres.; Rufus D. Quick, Sec.; Fred W. Fieldhouse, Treas. Thos. R. Webster.

O. P. DAVID MINING CO., Montfort, Wis. Dec. 22, 1905. Capital stock \$120,000. L. H. Stevens, Lou Fisher and J. H. Fosbinder.

### MADISON, WISCONSIN.

THE DUKE SMITH MINING CO., Madison, Wis. Operating at Dodgeville, Wis. Jan. 26, 1905. Capital stock \$60,000. M. E. McCaffrey, W. H. William and M. J. Tappin.

WASHBURN MINING CO., of Madison, Wis. Operating near Livingston, Wis. April 7, 1905. Capital stock \$60,000. \$100 per share. M. J. Tappin, A. C. Lerum and M. E. McCaffrey.

F. M. RHOMBERG, Pres.

A. J. RHOMBERG, Vice Pres.

A. M. TREXLER, Sec. and Treas.

# RHOMBERG BROTHERS CO.

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SOLE OWNERS OF THE CELEBRATED

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456-462 Main Street AT HOME IN THEIR  
NEW QUARTERS Dubuque, Iowa

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THE FINEST WHOLESALE WHISKEY HOUSE IN THE WEST

## ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

THE MILLS DIGGINGS CO., Madison, Wis. Oct. 25, 1904. Capital stock \$75,000. Per share \$100. Jefferson Crawford, Harvey Clark and Victor E. Rogers. Operating near Hazel Green.

THE SQUARE DEAL MINING CO., Madison, Wis. Feb. 9, 1905. Capital stock \$70,000. Shares each \$100. Mining near Hazel Green. Henry F. Cochems, F. E. Doty and J. P. Mallett.

### MINERAL POINT, WISCONSIN.

ADVANCE MINING CO., Mineral Point, Wis. Oct. 12, 1905. Capital stock \$5,000. James Brewer, J. P. Paynter, and Charles C. Neal.

THE BROWN MINING CO., Mineral Point, Wis. Jan. 18, 1906. Capital stock \$45,000. \$100 per share. James W. Hutchinson, John F. Crum and Elmore Y. Hutchinson.

THE BROWN-CROFT MINING CO., Mineral Point. Operating at Shullsburg, Wis. Sept. 22, 1905. Capital stock \$40,000. William Croft, James Brewer and J. J. Heathercock.

MINERAL POINT MINING CO., Mineral Point, Wis. April 20, 1904. Capital stock \$10,000. Shares \$1.00 each. Phil Allen, Jr., E. Y. Hutchinson and Ernest C. Fuller.

THE SLACK MINING CO., Mineral Point, Wis. Operating near Mifflin, Wis. Dec. 22, 1905. Capital stock \$70,000. Shares \$1.00 each. J. F. Crum, Chas. J. Fawkes and William D. Brown.

TRIO MINING CO., Mineral Point, Wis. Oct. 20, 1905. Capital stock \$60,000. Shares each \$1.00. Ernest C. Fiedler, Joseph J. Feldler and J. A. Meserole.

THE WILLIAMS MINING CO., Mineral Point, Wis. Dec. 21, 1903. Capital stock \$20,000. Shares each \$100. David E. Williams, Gomer Williams and Nelson H. Snow.

MIFFLIN AND LINDEN MINING CO., Mineral Point, Wis. Nov. 30, 1904. Capital stock \$50,000. Shares each \$100. Calvert Spenseley, Charles W. McIlhon and William A. Jones.

MINERAL POINT ZINC CO., Mineral Point, Wis. Aug. 3, 1882. Capital stock \$35,000. Each share \$100. Alexander Wilson, John H. Vivian, R. D. Pulford, Philip Allen and N. H. Snow. Increased capital to \$400,000 on April 7, 1890.

SUNRISE MINING CO., Mineral Point, Wis. Operating near Rewey, Wis. Oct. 1, 1902. Capital stock \$40,000. Each share \$10.00. Richard Kennedy, Charles W. McIlhon, Calvert Spenseley and Philip Allen.

KENNEDY MINING CO., Mineral Point, Wis. Operating near Hazel Green, Wis. April 4, 1901. Capital stock \$10,000. Shares \$1.00 each. Richard Kennedy, Calvert Spenseley, Philip Allen and Charles W. McIlhon. Increased capital to \$300,000 on May 28, 1903.

ST. ROSE MINING CO., Mineral Point, Wis. Operating four miles southwest of Platteville, Wis. August 2, 1895. Capital stock \$3,000. Shares each \$100. William A. Jones, Charles W. McIlhon and Calvert Spenseley. Increased capital to \$75,000 on Oct. 27, 1902.

PEACOCK MINING CO., Mineral Point, Wis. Capital stock \$50,000. James W. Hutchinson, W. G. Hales and A. F. Bishop, Jr.

LOONEY MINING AND SMELTING CO., Mineral Point, Wis. Feb. 8, 1906. Capital stock \$5,000. Calvert Spenseley, William A. Jones, C. W. McIlhon, Philip Allen, Jr., and Nelson H. Snow.

### MILWAUKEE, WISCONSIN.

AMALGAMATED LEAD AND ZINC CO., Milwaukee, Wis., June 28, 1905. Capital stock \$1,000,000. Oscar Kroesing, L. W. Duenkel, and Olive E. Mansur.

HENRY ANCHESTER CO., Milwaukee, Wis. May 11, 1905. Capital stock \$25,000. Purpose, to purchase, possess, hold, develop mining lands, smelt and refine gold, silver, tin, lead, copper, iron, etc., in Wisconsin and Nevada. Henry Anchester, Christian S. Otjen and H. B. Smith.

BESSIE K. MINING CO., Milwaukee, Wis., Jan. 8, 1904. Capital stock \$25,000. Henry W. Kent, Arthur E. Knowlton and Ira M. Williams.

CENTURY MINING CO., Milwaukee, Wis. Operating at Benton, Wis. May 24, 1905. Capital stock \$25,000. John T. Kelley, Michael Sweeny and J. V. Swift. July 3, 1905, capital was increased to \$50,000.

THE FOXHALL MINING CO., of Milwaukee, Wis. Dec. 24, 1903. Capital stock \$25,000. F. M. Fish, G. H. Gottschald and W. G. Whitehead.

INTERSTATE MINING CO., Milwaukee, Wis., July 15, 1905. Capital stock \$140,000. Shares \$25 each. Operates in Wisconsin and other states. Victor Schiltz, Charles Schiltz and A. J. Schmitz.

## MARSHALL, DUBUQUE, FOR STEAM BOILERS, TANKS, SMOKE STACKS AND PUMP PIPE.

### IOWA COUNTY DEMOCRAT

Crawford Brothers, Publishers

\$1.25 per year in Advance

At this price The Democrat is a good seller, without any premiums or clubbing offers. Over 1,200 copies are mailed every week to regular subscribers. The paper goes into the homes of the people who trade in Mineral Point. It pays to advertise in its columns.

### THE TELEGRAPH-HERALD

Dubuque, Ia.

Gives Special Market Report of the Mines every morning and Evening, and gives space to all mining news of importance,

### THE DODGEVILLE SUN-REPUBLIC

Is the spokesman of the Commercial Club of that city, and is pushing its mining interests to the Front.

DODGEVILLE, WIS.

### THE MINING TIMES

OR ADVOCATE

Benton, Wis.

Covers the Benton District Complete Every Week.

### WIDE AWAKE WEEKLY AND DAILY PAPERS OF THE MINING DISTRICT THAT ARE PUSHING ITS DEVELOP- MENT

### THE CASSVILLE RECORD

Keeps its readers correctly informed of all that happens in the mining development in that district.

CASSVILLE, WIS.

### The Mineral Point Tribune

Mineral Point, Wis.

Keeps its readers advised every week of the happenings in that busy camp.

### THE DAILY TIMES & GLOBE-JOURNAL.

Devotes columns of its news service every morning and evening to the entire district together with special market report of the various mines.

DUBUQUE, IOWA.

### THE DODGEVILLE CHRONICLE

Dodgeville, Wis.

Keeps its readers advised of what transpires of interest throughout Iowa County.

## REPAIR WORK ATTENDED TO DAY OR NIGHT,—SMEDLEY STEAM PUMP CO.

**JULY MINING CO.**, Milwaukee, Wis. Dec. 23, 1904. Capital stock \$10,000. Shares \$1.00 each. Do business in Wisconsin and elsewhere. Edward G. Ricker, John H. Tweedy, Jr., and Herbert W. Underwood.

**LITTLE KATHRYN ZINC MINING AND MILLING CO.**, Milwaukee. October 23, 1903. Capital stock \$30,000. Shares each \$10.00. Frank G. Bigelow, Horace M. Brown and Frank M. Hoyt.

**MINERAL MINING CO.**, Milwaukee, Wis. May 9, 1904. Capital stock \$100,000. Operates in Wisconsin or any states or territories in the United States. John H. VanDyke, George D. VanDyke and William D. VanDyke.

**MILWAUKEE LEASING CO.**, Milwaukee, Wis. June 27, 1904. Capital stock \$20,000. Shares \$100. Leasing, purchasing, selling, operating and dealing in real estate, mines, mining claims, mills, metals, etc. C. S. Thompson, C. F. Geilfuss and B. Clarke.

**HAZEL PATCH MINING CO.**, Milwaukee, Wis. Oct. 11, 1905. Capital stock \$25,000. Shares \$100 each. J. W. Plack, W. J. Scanlin and F. D. Fulton.

**MOONLIGHT MINING CO.**, Milwaukee, Wis., April 18, 1904. Capital stock \$100,000. Shares each \$1.00. Louis N. Biron, A. C. Moeller and J. A. Wallis.

**MILWAUKEE-GALENA LEAD AND ZINC MINING CO.**, Milwaukee, Feb. 2, 1904. Capital stock \$50,000. Each share \$1.00. Joe Crustive, Otto Seidel, Jr., and Chas. Reichenbach.

**THE NATIONAL LEAD AND ZINC CO.**, Milwaukee. Operating near Benton, Wis. Jan. 20, 1906. Capital stock \$100,000. Per share \$1.00. S. V. Davidov, Chas. H. Hamilton and Herbert R. Johnson.

**NATIONAL LEAD AND ZINC CO.**, Milwaukee. May 18, 1903. Capital stock \$25,000. Per share \$1.00. Mining in Wisconsin and adjoining states. Jas. H. Spruce, A. B. Whitman, C. G. Phipps, F. A. Stephan and H. W. Johnson.

**RUSTLER LITCH MINING CO.**, Milwaukee, Wis. Nov. 22, 1904. Capital stock \$40,000. Shares \$1.00 each. T. A. Chapman, M. R. Weiss, C. W. Hamilton, John E. Winn, G. F. Ramsay and D. L. Ramsay.

**WESTERN LEAD AND ZINC CO.**, Milwaukee, Wis. Aug. 14, 1903. Capital stock \$50,000. Each share \$1.00. F. D. Fulton, Will G. Whitehead and C. S. Pierce. Mine especially in Grant County, Wisconsin.

**THE TRILBY MINING CO.**, Milwaukee, Wis. Nov. 13, 1905. Capital stock \$40,000. Each share \$1.00. W. B. Hill, O. J. Schenck and Peter Spetz.

**TRIPOLI MINING CO.**, Milwaukee, Wis. Feb. 22, 1904. Capital stock \$30,000. \$100 per share. E. C. True, A. W. Hill and Edward E. Voss.

**WOODBURY MINING CO.**, Milwaukee, Wis. Dec. 8, 1903. Capital stock \$10,000. Shares each \$1.00. Henry W. Kent, Pearl L. Young and Ralph J. Ricker.

**WESTERN MINING CO.**, Milwaukee, Wis. Nov. 24, 1903. Capital stock \$30,000. Shares \$1.00 each. Fred G. Oeflein, Joseph Kehrmann and A. V. Klefisch.

**SINSINAWA ZINC MINE CO.**, Milwaukee, Wis. June 13, 1904. Capital stock \$200,000. Shares each \$10.00. E. M. Alexander, T. C. Schenck and Peter Spetz.

**BIG DAD MINING CO.**, Milwaukee, Wis. March 17, 1903. Capital stock \$75,000. Shares each \$1.00. W. A. Marling, C. D. Matthiewie and Max Rimmoldt.

**MILWAUKEE MINING AND SMELTING CO.**, Milwaukee. Dec. 3, 1884. Capital stock \$50,000. Shares \$50 each. Christopher C. Fletcher, Peter Lehman and Judson S. Fletcher.

**MILWAUKEE MINING CO.**, Milwaukee, Wis. Nov. 8, 1889. Capital stock \$1,500,000. Shares \$10.00 each. John A. Hinsay, John M. Coy and Oscar Allpeter.

**MILWAUKEE MINE DEVELOPMENT CO.**, Milwaukee, Wis. Jan. 30, 1906. Capital stock \$300,000. Charles J. Bodenbach, Arthur C. Breckle and John Traudt, Jr.

**BLACK DIAMOND MINING CO.**, Milwaukee, Wis. Feb. 9, 1906. Capital stock \$6,000. W. A. Haig, John I. Braun and George A. Kingsley.

**VINEGAR HILL MINING CO.**, of Milwaukee, Wis. July 9, 1903. Capital stock \$50,000. Shares \$1.00 each. Mine from lodes situated on the south 1-2 of the northeast quarter of section 36, township 29 N., range 1 west, Jo Daviess Co., Ill. and other properties in said state and other states. W. A. Marling, Max Reinwoldt and A. Moeller.

### PLATTEVILLE, WISCONSIN.

**CONSOLIDATED ZINC CO.**, Platteville, Wis. Sept. 12, 1905. Capital stock \$50,000. W. T. Brown, E. W. Sargeant.

Ohio Gasoline Engines are the Best Engines. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

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**IS A MIRROR OF ALL THAT PERTAINS  
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**The Southwestern Wisconsin**

Linden, Wis.

**REFLECTS THE MANY CHANGES  
TAKING PLACE IN THAT BUSY  
MINING CAMP EVERY WEEK**

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## ENGINES, BOILERS, COMPRESSORS, HOISTERS,—SMEDLEY STEAM PUMP CO.

- EMPIRE MINING CO., Platteville, Wis. Nov. 8, 1901. Capital stock \$5,000. Each share \$1.00. J. H. Lutjens, Fred Krog, A. J. McCarn, J. T. Wilkinson and A. W. Kopp. Capital increased to \$20,000 on Sept. 23, 1903 and to \$30,000 on April 13, 1904.
- ANTHONY MINING CO., Platteville, Wis. Nov. 27, 1905. Capital stock \$50,000. John Anthony, R. A. Watkins, J. S. Nedderson and Jabe Alford.
- ACME MINING CO., Platteville, Wis. Nov. 20, 1905. Capital stock \$80,000. H. Gasser, A. B. Frederick, Fred Krog and H. Kleinhammer.
- BLOCK HOUSE MINING CO., Platteville, Wis. May 1, 1905. Capital stock \$8,000. F. Krog, F. E. Huntington and G. W. Kojop.
- GRANT COUNTY MINING CO., Platteville, Wis. August 28, 1905. Capital stock \$30,000. A. B. Fredrick, H. C. Hinners and Herman Gasser.
- GRITY SIX MINING CO., Platteville, Wis. June 17, 1905. Capital stock \$100,000. Operations in Wisconsin and Illinois, but especially in Grant and La Fayette Counties, Wis. W. H. Ellis, Geo. L. Jarrett and O. M. Dennis.
- THE GREAT NORTHERN MINING CO., Platteville, Wis. Dec. 22, 1904. Capital stock \$20,000. Operates especially in Grant County. F. Krog, W. F. Longhenry and F. E. Trenary.
- HODGE ZINC MINING CO., Platteville, Wis. Dec. 15, 1905. Capital stock \$30,000. \$100 per share. Benjamin Hodge, Ruth Stickney Hodge and George J. Jarrett.
- KLAR-PIQUETT MINING CO., Platteville, Wis. June 18, 1903. Capital stock \$20,000. Christian Klar, John B. Piquett, Chas. Roselep, Jr., Peter Khr and Twain Harvey.
- KROG-WEBSTER MINING CO., Platteville, Wis. Dec. 19, 1902. Capital stock \$25,000. Shares each \$1.00. Fred Krog, Benjamin Webster, B. F. Huntington.
- LITTLE JAP LEAD AND ZINC MINING CO., Platteville. March 7, 1905. Capital stock \$100,000. Shares \$1.00 each. A. R. McOmber, M. Petty, E. S. Woodworth.
- UDYN MINING CO., Platteville, Wis. Nov. 8, 1905. Capital stock \$15,000. Shares each \$1.00. J. T. Wilkinson, Martin Oudyn, Albert Doelz and W. F. Schroeder.
- KINGETTER MINING CO., Platteville, Wis. February, 1906. Capital stock \$15,000. S. Sickle, A. W. Kopp and C. A. Loveland, Jr.
- LITTSBURG LEAD AND ZINC CO., Platteville, Wis. Dec. 29, 1905. Capital stock \$80,000. Shares \$1.00 each. Thomas Kennedy, Charles Kistler and Dr. Herman Gasser.
- PLATTEVILLE-LINDEN MINING CO., Platteville, Wis. Operating at Linden, Wis. Nov. 14, 1905. Capital stock \$60,000. Shares \$1.00. Chas. A. Grunow, Nadab Eastman, James Rowe and W. M. Hetherington.
- THE HORSE SHOE ZINC CO., Platteville, Wis. Oct. 2, 1905. Capital stock \$10,000. Shares \$50 each. Frank Fisher, R. I. Dugdale, W. H. Kendel and J. B. Russell.
- PHOENIX LEAD AND ZINC MINING CO., Platteville. May 20, 1905. Capital stock \$10,000. Shares \$1.00 each. T. F. Cummins, W. F. Grindell, W. H. Hetherington, C. Horstman, M. S. Huntington, Thos. H. Gentle and E. A. Trenary.
- THE PLATTE ZINC MINING CO., Platteville, Wis. May 12, 1905. Capital stock \$300,000. Shares \$1.00. F. H. Trego, C. A. Loveland, Jr., and William T. Brown.
- RICO MINING CO., Platteville, Wis. Jan. 2, 1906. Capital stock \$80,000. Shares \$100 each. W. T. Jennings, J. A. Wilgus and W. H. Doyle.
- RED JACKET LEAD AND ZINC MINING CO., Platteville. Nov. 1, 1905. Capital stock \$85,000. Shares \$1.00 each. Ben Hodge, Harry E. Stephens and Wm. Wonn.
- THE STAR MINING CO., Platteville, Wis. June 1, 1905. Capital stock \$50,000. Each share \$1.00. W. H. Ellis, B. F. Huntington, Herman Gasser and Geo. Jarrett.
- THE MEEKER'S GROVE MINING CO., Platteville, Wis. Aug. 17, 1905. Capital stock \$20,000. Shares each \$1.00. Operations especially in La Fayette County. C. A. Loveland, Jr., G. F. Meyer, and W. F. Longhenry.
- WEST EMPIRE MINING CO., Platteville, Wis. Jan. 5, 1906. Capital stock \$75,000. Shares \$100 each. C. D. Harding, C. J. Wettenhiller, E. J. Thompson and G. H. Brockman.
- WESTERN STAR MINING AND MILING CO., Platteville, Wis. Apr. 12, 1904. Capital stock \$25,000. Each share \$1.00. H. S. Vaughn, John D. Piapp, Jacob Karrmann and Frank Pitts.
- THE WHIG MINING CO., Platteville, Wis. April 18, 1904. Capital stock \$20,000. Each share \$1.00. James Harms, Christian Greaser and Charlie Randecker.

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LA FOLLETTE MINING CO., Platteville, Wis. February, 1906. Capital stock \$75,000. Duncan McGregor, E. B. Smith and James Dolan.

ST. ELMO MINING CO., Platteville, Wis. February, 1906. Capital stock \$60,000. Duncan McGregor, E. B. Smith and M. E. Lewis.

THE CENTERVILLE MINING CO., Platteville, Wis. Jan. 30, 1906. Capital stock \$36,000. George Merrifield, J. P. Rundell and A. W. Kemler.

THE DOLPHIN MINING CO., Platteville, Wis. Feb. 8, 1906. Capital stock \$60,000. John H. Webb, E. B. Smith and Duncan McGregor.

THE VINEGAR HILL ZINC AND MINING CO., Platteville, Wis. Jan. 15, 1906. Capital stock \$50,000. Each share \$100. William N. Smith, Mark H. Newman and Clarence E. Abbott.

### RACINE, WISCONSIN.

MORNING STAR MINING CO., Racine, Wis. March 1, 1905. Capital stock \$30,000. Each share \$1.00. Albert S. Fancher, John C. Augustine and Arthur Davidov.

### REWEY, WISCONSIN.

BLACKJACK LAND AND MINING CO., Rewey, Wis. Aug. 30, 1905. Capital stock \$30,000. Wisconsin mining, especially in Iowa County. Oliver G. Rewey, Clarence I. Cushman and Anderson C. Deitzman.

SUNSET MINING CO., Rewey, Wis. Nov. 5, 1904. Capital stock \$24,000. Each share \$1.00. O. G. Rewey, C. I. Cushman, Phil. Allen, Jr., and C. W. McIlhon.

THE DIVIDE MINING CO., Rewey, Wis. W. H. Temby, Pres.; J. J. Rubie, Sec.

### SHULLSBURG, WISCONSIN.

LA FAYETTE LAND AND MINING CO., Shullsburg, Wis. Jan. 16, 1906. Capital stock \$500,000. Shares \$100 each. Fred Krog, Fred C. Mansfield, J. N. Hunphrey, Fred H. Homer, H. H. Curtis.

THE INDEPENDENCE MINING AND MILLING CO. Aug. 14, 1905. Capital stock \$50,000. Shares each \$1.00. G. H. Waring, Charles Luke, T. J. Niell and Fred Gergener.

IOWA MINING CO., Shullsburg, Wis. Feb. 9, 1906. Capital stock \$50,000. Walter A. Emesis, Joseph W. McLaughlin and Claude E. Vail.

### WAUKESHA, WISCONSIN.

THE LUKEY RANGE MINING CO. Waukesha, Wis. Aug. 8, 1905. Capital stock \$2,000. Per share \$1.00. Operates in Wisconsin, especially in La Fayette County. A. S. Putney, A. J. Hutton and James Hutton.

THE GARDNER WALL MINING CO., Waukesha, Wis. July 26, 1905. Capital stock \$100,000. Operations especially in La Fayette County. G. E. Martin, Owen Oliver, Christopher Gardner, F. J. Smart and Albert N. Coombs.



The Blackhawk Lead Mine, Elizabeth, Ill.

**MINES APPARENTLY OPERATING UNINCORPORATED.**

OLLIE BELL MINING CO. New Diggings, near Benton, Wis.  
MORRISON MINING CO. Cuba City, Wis.  
KING BEE MINING CO., Hazel Green, Wis.

**COMPANIES FROM OTHER STATES OPERATING HERE.**

THE BIG JACK MINING CO., Denver, Col. Aug. 31, 1905. Capital stock \$100,000. Mine lead, zinc and all other minerals. L. Underwood, W. S. McCaull, Geo. E. Smith, A. Chapman and J. G. Trimble. Operating near Platteville, Wis.  
THE CRESCENT DEVELOPING CO., Indianapolis, Ind. April 1, 1904. Capital stock \$10,000. Principal operations in Iowa County, Wisconsin, and Galena and Jo Davless County, Ill. John O. Spahr, Gwynn Patterson and Frederick Bremmerman.  
EMPIRE LEAD AND ZINC MINING CO., New York City. May 24, 1899. Capital stock in Wisconsin, \$300,000. Ephraim B. Levy, Abram B. Levy, David L. Gluck, David B. Levy and Maurice Block, all of New York city.  
KNAPP MINING AND INVESTMENT CO., Pierre, S. D., Aug. 22, 1904. Capital stock in Wisconsin \$24,000. Godfrey Ordemann, L.

St. Clair Wood, Wm. Harnish, Wm. C. Krugmeier, Charles E. Lehman and Chas. F. Haupt of St. Paul, Minn., and John A. Holmes, Frank D. Holmes and Louis W. Sandy of Pierre, S. D.  
THE MURPHY MINING CO., Johnston, Pa. Jan. 3, 1905. Capital stock in Wisconsin \$5,000. Robert S. Murphy, Thos. S. Murphy, Robert R. Smith, all of Johnston, Pa.  
MORRISON MINING AND DEVELOPMENT CO., Augusta, Me. Jan. 30, 1905. Wisconsin capital \$21,363. Geo. A. Whitcomb, Pres.; Charles Bent, Geo. H. Brown, all of Morrison, Ill. John H. Robertson, Platteville, Wis., and C. L. Andrews, Augusta, Me.  
RISING SUN LEAD AND ZINC CO., Phoenix, Ariz. Operating near Dodgeville, Wis. Dec. 12, 1905. Capital in Wisconsin \$50,000. O. L. Witterhall, Sec.; Leander Gilbert, V. Pres., Oconomowoc, Wis.; Victor Hastings, Pres., Milwaukee, Wis. and J. N. Brown, Treas., Dodgeville, Wis.  
UNION ZINC AND LEAD CO., Augusta Me. Operating near Shullsburg, Wis. Mar. 22, 1904. Capital in Wisconsin \$300,000. A. M. Rathbun, V. Pres.; William Gallathin Carroll, New York City., Azel F. Hatch, Chicago, Ill., and C. S. Andrews, Augusta, Me.  
WHALEY MINING CO., Chicago Ill. Operating near Benton, Wis. April 8, 1904. Capital in Wisconsin, \$29,500. F. A. Woodbury, Opera House block, Chicago; Robert W. Miller, 100 Washington street, Chicago; Donald L. Marrell, 100 Washington street, Chicago; P. H. Whaley, director of company at Benton, Wis.



View of Cassville, Wisconsin.

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Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

## Mines and Prospects Received too Late to Classify

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**DINSDALE**, Galena, Ill. (P). Two miles from city in East Galena township. Lead. Owned by Jos. Guggenheim, Mr. Claussen, Chas. Dunkle and John Bunyer. The mine is free of water and very little machinery is required to operate it.

**KUHL MINING CO.**, at Sinsinawa near Fairplay, Wis. Have discovered 14 inches of high grade jack.

**EAGLE**, two and one-half miles east of Cuba Clay, Wis (P). Have drilled through 11 feet of good ore-bearing ground at from 42 to 53 feet.

**ROUSCH, HERMAN**, Georgetown, Wis. (P). Leased by Simon Ware, Frank Carns, and Fred Ware.

**SHULLSBURG CO.**, Shullsburg, Wis. (P). Cap. \$65,000. Officers: President, Will H. Look, Shullsburg; Vice-President, Robt. Hamilton, Chicago; Treasurer, R. E. Wisner, Janesville; Secretary, John J. Jamieson, Shullsburg. Will operate on the Hawthorne range about three miles northeast.

**LARCOMBE MINING CO.**, Durango, Iowa. Cap. \$25,000. President, R. W. Edwards; Vice-President, John A. Anderson; Secretary, W. B. Martin; Treasurer, H. B. Gnifke.

**HYMER CO.** (P). Leases near Potosi, Wis., on lands containing Cave, St. John, McKenkle, Hull and other ranges.

**WOLF BROS.** (P). Near Rockville, Wis. Sold to Platteville parties.

**WARRICK, JOHN** (P.) West of Cuba City. Considerable lead was taken out on the Warrick farm a few years ago.

**SIOUX FALLS Co.** (P). One and one-half mile northwest of Cuba City, Wis. Good quality of jack was found by drilling Company is composed of 16 members and are operating on the Frank Curtis farm.

**ETNA MINING CO.** (P). One-half mile from Cuba City, Wis. Forty shareholders. Pres., Hiram Rundell; Vice-Pres., D. R. Curtin; Treas., Fred Stephens; Sec'y., Wm. Alton; Directors: Tom Meickle, Joe McLaughlin, F. B. Rundell.

**BIG TOM SYNDICATE**, Galena, Ill. (P). Drilling on the Sarah Gray land near Leadmine, Wis. Have found jack at 40 ft. and continues down to 100 ft. where the oil rock is found. Very promising.



View of Ice Harbor, Dubuque, Iowa.



# Zinc Industry of the United States

## This Country Leads World in Production and Consumption

By WALTER J. BALLARD.

The United States leads the world in both the production and consumption of zinc, according to "Mineral Resources of the United States, 1904" issued by the United States Geological Survey, and confirmed by European compilations recently reported by Consul James C. McNally of Liege, Belgium.

	Production 1904	Increase over 1903
United States .....	166,700	24,541
Belgium .....	137,780	8,780
Silesia .....	123,695	6,560
Rhine District .....	64,360	3,045
France and Spain .....	48,310	6,530
Great Britain .....	45,490	2,075
Holland .....	12,895	1,380
Poland .....	10,440	695
Austria and Italy .....	9,100	75
Totals, long tons .....	618,770	53,681

These are the American figures and practically agree with the European figures, which put the world's increased produc-

tion in 1904 over 1903 at 54,000 tons of 1,000 kilograms (2,204 pounds). Both compilations give the world's lead in zinc production to the United States, and admit that its production was almost entirely the product of American ores. In fact, we imported in 1904 only \$50,682 worth of zinc, while we exported in the same year \$2,118,000 worth of zinc and zinc ore, an increase of \$897,000 over 1903. In 1872 our import of zinc was \$1,175,000. Between \$1,175,000 imports in 1872 and \$10,682 in 1904 lies the satisfactory history of a generation in American zinc mining, coupled with a growth in zinc exports of from \$26,000 in 1872 to \$2,118,000 in 1904, \$2,000,000 increase. Missouri-Kansas leads heavily in American zinc production, 107,048 long tons out of 166,700 tons in 1904. Illinois was second with 47,740 long tons. The united share of the world's production was 26.9 per cent. in long tons. In 1903 our share was 25.2 per cent., but in 1896 it was only 17.4 per cent., an increase in eight years of 9.5 per cent.

### WORLD'S CONSUMPTION.

Then as to the world's consumption of zinc, the figures are, comparing with 1903, as follows:

Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.

GEO. L. JARRETT

OUR DESIGNS ARE

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WE FURNISH: CONCENTRATING MILLS, PUMPING PLANTS, SULLIVAN AIR COMPRESSORS, SULLIVAN AIR ROCK DRILLS, STICKNEY GASOLINE ENGINES, TREGO ORE ROASTERS

Plans, Specifications and Estimates for All Kinds of MINE IMPROVEMENTS

# ALL KINDS OF MINING MACHINERY—SMEDLEY STEAM PUMP CO., DUBUQUE, IOWA.

	1904 Tons of 2,204 pounds
United States .....	157,061
Germany .....	151,576
Great Britain .....	129,144
France .....	67,241
Belgium .....	56,700
Austria-Hungary .....	25,287
Russia .....	20,000
Total consumption .....	607,009

These figures are an increased consumption in 1904 over 1903 of 49,000,000 tons of 2,204 pounds each, showing that the world's consumption increased within 5,000,000 pounds of the world's increased production.

It was in 1902 that the United States first passed Germany in the consumption of zinc with 137,918 tons against Germany's 131,800 tons, while in 1895 we were 42,561 tons behind Germany. In the nine years Germany's consumption has increased one-third, while ours has doubled. It is thus now evident that the United States will always maintain its position as the leading zinc-consuming country in the world.

Then, as the world's production and consumption of lead the European figures give the lead to the United States. The figures, in tons of 2,204 pounds, of the world's lead production in 1904 over 1903, are as follows:

Production.	1904	1903
United States .....	284,700	251,300
Spain .....	177,400	164,300
Australia .....	120,000	95,000
Mexico .....	107,000	100,000
Great Britain .....	24,700	31,300
Italy .....	23,200	slight inc.
Belgium .....	22,000	slight inc.
Canada .....	16,600	8,200
Greece .....	15,200	16,000
France .....	15,200	19,000
Austria-Hungary .....	14,000	.....
Total .....	957,600	

The net increase in the world's lead production in 1904 over 1903 was about 54,000, against no increase in 1903 over 1902. Of that 1904 increase of 54,000 tons, much more than half, 33,400 tons, was attributable to the United States. The nearest approach to that was Australia with 25,000 tons increase, followed by Germany with 13,100 tons increase. Our lead in lead production is apparently unassailable.

As to the world's lead consumption in 1904 and 1903, the figures of principal consumption are:

	1904	1903
United States .....	311,200	273,648
Great Britain .....	237,448	235,117
Germany .....	175,799	167,516
France .....	78,589	79,958
Russia .....	42,000	41,000
Austria-Hungary .....	21,547	22,361

Here we lead again with an unassailable lead.

**Hundreds Ohio Engines Successfully Operated for Ten Years. 19 S. Canal St., Chicago; Factory, Sandusky, Ohio.**

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Better place your order now, while Stocks are in good condition. The demand for building material is exceedingly heavy, and it will be impossible to obtain a good many items in another few months : :

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Branch Yards at POTOSI, WIS. and GLEN HAVEN, WIS.

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### MINERS' HEADQUARTERS

Sign of the Big Chunk

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DUBUQUE, IOWA

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IRON WORKS

### General Machinists and Founders

House Rods, Cresting Bolts and Screws of Every Description

810-820 Eighth Street

DUBUQUE, IOWA

# Dodgeville



THE COUNTY SEAT OF IOWA COUNTY, WIS.

Is an incorporated city of 2,200 population, situated at the northern terminus of the Dodgeville and Freeport line of the Illinois Central Railroad and on the Milwaukee-Galena line of the Chicago & Northwestern Railway, 179 miles northwest of Chicago, 130 miles west of Milwaukee and 48 miles west of Madison, the State Capital. Its location is a particularly beautiful and healthful one, being upon gently rolling ground with excellent drainage. It has seven well equipped churches, as follows: Methodist-Episcopal, Congregational (English and Welsh), Baptist, Catholic, Welsh Presbyterian and Primitive Methodist. In educational matters, Dodgeville occupies a proud position, its people sparing no necessary expense in providing every facility for the proper schooling of the rising generation. Two commodious buildings, fitted with all modern appliances for health and comfort, furnish ample accommodations for its 600 pupils, and its graded schools comprise eight departments and a kindergarten, under a teaching force whose efficiency is always well maintained. Its High School ranks among the foremost in the state, having an enrollment of about 200 pupils and a faculty of six instructors. Its graduating class in 1905 numbered forty-two pupils. It can be said of our school grounds, without fear of successful contradiction, that they

are the most beautiful and best kept up public school grounds in the United States. There is also a well managed parochial school in connection with St. Joseph's Catholic church. The city owns a system of water works which furnishes an adequate supply of pure water for all purposes, and has an exceptionally efficient fire department. No fire has been allowed to spread from the building in which it originated, and no building has been entirely destroyed by fire since the water works were established, in 1893. The streets and buildings are lighted by electricity from a plant under private ownership. A local telephone exchange with over 400 phones and connections radiating 50 miles or more in nearly all directions is maintained by the Inter-State Telephone Co., and long distance communication with the world at large is furnished by the lines of the (Bell) Wisconsin Telephone Co. The city contains one National and two State banks with combined resources of about \$700,000.00 and a steadily growing business. Commercial failures are practically unknown in the community, there having been but three or four such failures in 30 years, scattered over long intervals, and none for several years past. Dodgeville and Iowa County in general have less crime and litigation than is found anywhere else in the world in cities and counties of equal

population. Two terms of Circuit Court for the county are held each year, but it is a rare thing for the calendar for a term to contain as many as six criminal cases, and they generally minor offenses, or for a term of the court to last more than six days. Taxation in the city is light, generally about one per cent on an assessment of about 75 per cent of the true value of property, and fully half of the amount raised is devoted to school purposes. A canning factory which turns out from 25,000 to 30,000 cans of corn or pumpkin a day during the season, and whose products command the top price of the market; a wagon, carriage and plow factory; two cigar factories, one of them the largest in this revenue district; a butter tub factory, and a lead smelter are among the industries already established here, all doing a prosperous business. Three newspapers—The Republic, issued Tuesday; The Chronicle, Friday morning; The Sun, Friday evening—furnish the means for the purveyance of news and advertisements, and all are unselfishly devoted to advancing the interests of the community. Four hotels—The Highee, The Grand, The Dodgeville and The City—the two former equipped with all modern conveniences—furnish excellent accommodations for transient visitors at very reasonable rates. The Dodgeville Public Library, the Dodgeville Band, and one of the handsomest and most modern auditoriums furnishing standard theatrical entertainments. These and many other things might be mentioned among the attractions of Dodgeville, but let this suffice. What Dodgeville wants is men of means and enterprise to come here and enjoy the good things we have and assist us in developing our mineral and manufacturing resources. Lead and zinc mines have been profitably worked here in a primitive way from time immemorial. Much

wealth has been taken from beneath the ground, but with improved methods, we have full faith that the past has been as nothing to what the future will be. Factories located here will be free from labor troubles, living expenses will be less than in the larger cities and operatives will enjoy contentment and prosperity. This community is bred in the spirit of air play as between man and man, or capital and labor, which would exert a strong influence in adjusting any difficulty which might arise. The Dodgeville Commercial Club will take pleasure in answering questions and extending courtesies to all looking for good locations for mining, manufacturing or other business. The officers of the club are: J. H. Ford, President; W. J. Pearce, Vice-President; F. W. Hadden, Recording Secretary; J. I. Hahn, Financial Secretary; D. H. Williams, Treasurer; Board of Directors: Herman Heller, Chairman; W. H. Thomas, John M. Reese, A. S. Hearn, Llewellyn Davies, T. M. Strong, A. L. McKinlay; Industrial Committee: J. H. Stephenson, Chairman; Henry T. Flagg, Secretary; J. O. Adler, L. Davis, F. W. Schoenfeld, S. T. Harker, Thos. Hogan, W. P. Peters, C. A. Gurnea, W. F. Prideaux, R. F. Jones, F. W. Stratman, A. L. McKinlay, J. H. Cartwright, Alvin M. Anderson, J. Fisher, G. W. Mundy, H. D. James, Chas. Schmitt, C. F. Phillips, W. P. Esch, Carroll Guthrie, W. F. Kramer, T. A. Metcalf, W. E. Williams, Warren H. Thomas; Advertising Committee: Herman Heller, Chairman; H. O. Kelly, Secretary; W. J. Pearce, A. G. Clarke, John I. Hahn, F. W. Hadden, Hugh Parry, Warren H. Thomas, Fred Stratman, A. S. Hearn; Entertainment Committee: J. T. Reese, S. F. Warner, R. F. Jones, H. M. Jaycox, Louis Ryall.

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# The Telegraph-Herald.

DUBUQUE, IOWA, SUNDAY MORNING APRIL 22, 1906.

PAGE SEVEN.

## MINES OF NORTHWEST DISTRICT

Year-Book Published—Well Illustrated  
—Mr. Joseph Skemp  
Is Compiler.

Messrs. Joseph Skemp and Jo Conley have brought out in neat and attractive form a year book of the lead and zinc mines of Wisconsin, Illinois and Iowa.

Of the two hundred pages which the book contains, forty are devoted to an alphabetically arranged list of the mines, their capitalization and location, in Lafayette, Iowa and Grant counties, Wisconsin, Jo Daviess county, Illinois, and Dubuque county, Iowa.

A map of the northwest lead and zinc district is included, together with beautiful half-tone illustrations of the mines and cities located in the district. Among these are cuts of Cassville, Potosi, Lancaster, Galena, Montfort, Mineral Point, Platteville, Cuba City, Benton and Elizabeth.

Accurate descriptions of the mines are given and also able articles on the geology and minerals of Iowa and Wisconsin. Professor John A. Anderson of the Dubuque High school, writes on the "Geology of the Ore Bearing District of Dubuque and Vicinity." T. C. Chamberlain's "Flats and Pitches," is included. Other articles are:

"Iowa County, A Great Zinc Bearing Field," by J. H. Lewis of Highland, Wisconsin; "Julien Dubuque and Early Mining in Iowa," by J. H. Vanderberge, and the "Zinc Industry of the United States," by Walter J. Ballard.

The following scans from Complete Year Book of Wisconsin, Illinois and Iowa Lead and Zinc Mines by Skemp & Conley Publishers (1906) are courtesy of Loras College Center for Dubuque History:

Map of Northwest Lead and Zinc District

Front Cover

Inside Front

Title Page

Inside Back

Back Cover

# MAP OF NORTHWEST LEAD AND ZINC DISTRICT

(Copyright 1906 by Skemp & Conley)

Showing railroads, rivers, townships, principal cities and towns, with the elevation of the older mining camps, with route of proposed railway from Dubuque to Platteville. The location of all the mines and prospects given in our complete Directory may be obtained by using this map. Elevation of Avenue Top Mine in Dubuque city is 905 feet, which is practically its highest point.



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Complete year book of Wisconsin, Illinois



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# COMPLETE YEAR BOOK

1906

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OF

### Wisconsin, Illinois and Iowa

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1906

—OF—

Wisconsin, Illinois and Iowa

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Alphabetically Arranged with Topographical Map of the Lead and Zinc District

(ILLUSTRATED)

Written, Compiled and Edited by  
SKEMP & CONLEY  
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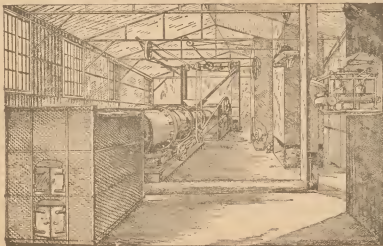
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